DOCUMENT RESUME

ED 429 424 EF 005 110

TITLE	Current Trends in Libraries, Media Centers, and Performing Arts Spaces: A 1997 Slide Presentation.
INSTITUTION	American Inst. of Architects, Washington, DC.
PUB DATE	1997-00-00
NOTE	77p.; Prepared by the AIA Committee on Architecture for Education, Professional Interest Area. Photographs may not reproduce well.
PUB TYPE	Guides - Non-Classroom (055)
EDRS PRICE	EDRS Price MF01 Plus Postage. PC Not Available from EDRS.
DESCRIPTORS	Architects; *Audiovisual Centers; *Educational Facilities Design; Elementary Secondary Education; Public Schools; *School Libraries; *Theater Arts

ABSTRACT

The design of school libraries, media centers, and performing arts auditoriums are crucial to fulfilling and enhancing the need for human interaction and learning. This document presents descriptions of exemplary examples of architectural designs for these three areas as found in selected K-12 public schools across the country. Each entry is accompanied by a photograph of the area, an architect's statement of the design features, total construction costs, and the architectural firm's address and phone number. An index of the architectural firms by state is also provided. (GR)

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ED 429 424

Current Trends in Libraries, Media Centers, and Performing Arts Spaces

The AIA Committee on Architecture for Education Professional Interest Area

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Current Trends in Libraries, Media Centers, and Performing Arts Spaces

A 1997 slide presentation

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Libraries and Media Centers

"Library," as defined by Webster's, is a place in which literary, musical, artistic, or reference materials are kept for use but not for sale. "Media center" is not found in Webster's 9th Edition. It does define its singular, medium, as a channel or system of communication, information, or entertainment. However defined, media centers and libraries, remain the heart and soul of a school and of the community. While many believe that libraries are a thing of the past since information is so readily available on the internet, the internet has not replaced the need for human interaction.

The libraries that most of us grew up with are like the first definition. Today's libraries (or media center) are more like the second definition. They have books, audio and video materials, computers for searches and internet access, meeting rooms, community rooms, group study rooms, and they can be the "command center" for multi media presentations and distance learning. They facilitate the dissemination of knowledge by reading, surfing the 'net, and through conversation. As "knowledge centers" for a community of school children or a bedroom community, libraries need to be comfortable, enjoyable environments.

To this end, there are a few aspects of this program of which the client, educator, and designer need to be aware. First is the use of light. It is essential that the lighting be well integrated in the design. If lighting is left as an after thought, it may provide the correct amount of foot-candles on the work surface but may not complement the design of the space. In the worst case, lighting could become a detriment to the library's functionality and comfort. Spaces that seemed to function best were those that incorporated indirect light sources and task lighting. This seemed to make the overall space more comfortable and reduced (or eliminated) the glare on computer screens or tables. Similarly, the incorporation of natural light, provided that the glare is controlled and the sun's rays will not damage materials (if the light is introduced directly into the library) can also enhance the space. Children's spaces and places in the library where non-research oriented reading take place can especially benefit from natural light.

The jury also noted that the use of multiple level and multiple scale spaces was very popular in both school and community facilities throughout the country. The use of varied spaces — for study, reading, children's libraries, collaboration, etc. — can create unique spaces that reinforce the library's mission. Of special note was the private school library that incorporated a fireplace and several reading areas designated by carpets. The addition of these features made the technologically sophisticated space seem inviting and encouraging of students to spend more time in the facility.

Finally, it is essential that libraries incorporate the latest technological cabling and be as flexible as possible. We can all remember the room the old card catalogue took up, and now that function is dispersed throughout the

library at computer terminals. Twenty years ago, that was not possible. Who knows what the next 20 years will bring, but we need to make the spaces flexible to accommodate these changes with our prohibitive costs. It is important not to neglect the need for "high-touch" counterpoints to high-tech equipment, thereby designing create satisfying spaces.

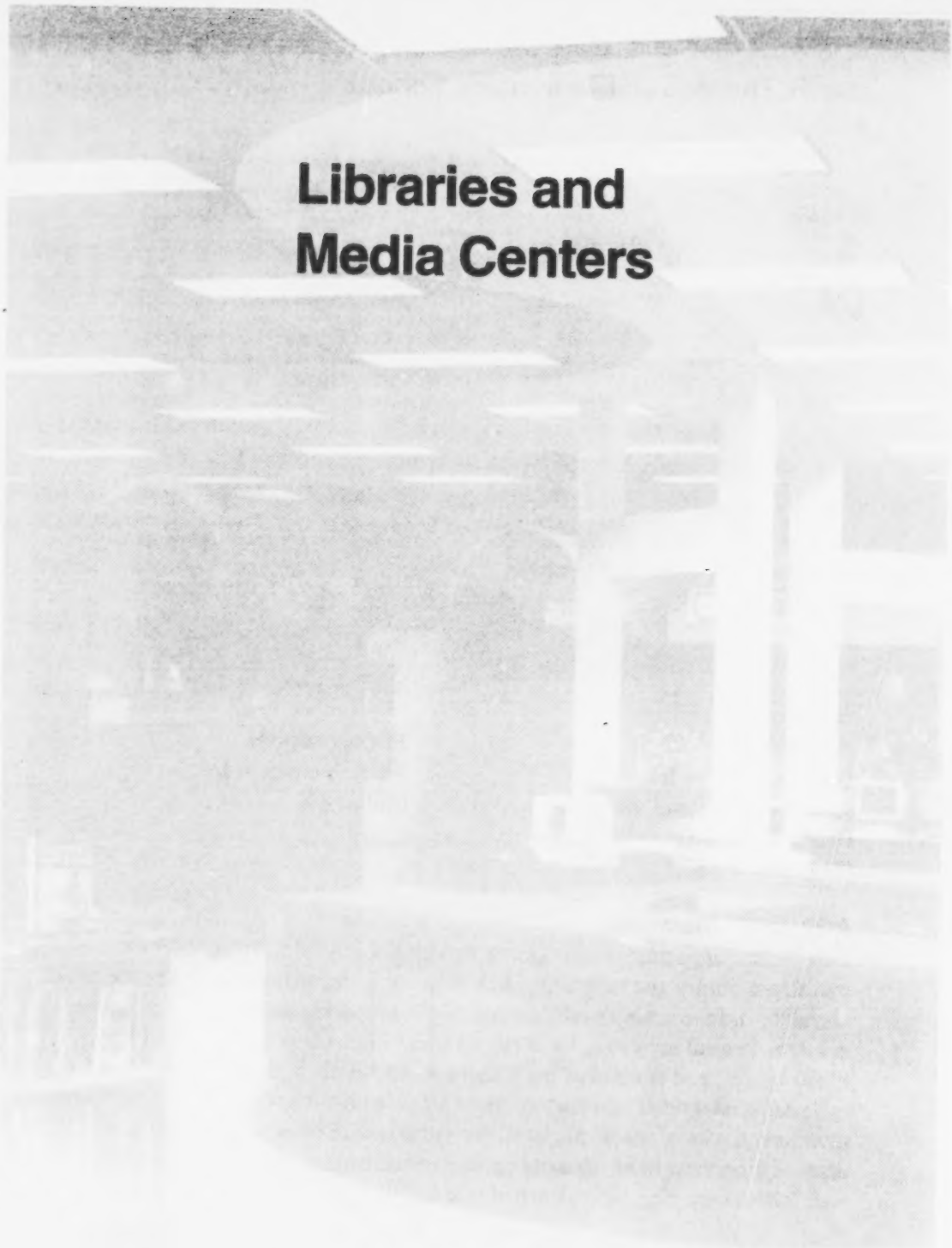
Performing Arts

Romeo and Juliet. Showboat. The New World Symphony. Aida. Martha Graham. Is there a performance that is not enhanced more when the audience is integrally engaged? We all know the difference between sitting in the dress circle, rather than in the "nose bleed" section of a theater — the performance comes alive, the words and music touch our hearts and minds more deeply. We can relate more to Tony's anguish in West Side Story when we can see the sweat on his brow.

This is what designers and clients must keep in mind whether their project is a high school auditorium or a multiple use community performing arts center. To achieve this connection with the actors and musicians, it is important that the distance between the stage and the audience be minimized. While this extra wide aisle space may have doubled as a fire exit, it does not enhance the theater goer's experience. It is especially important to realize that the voices of high school thespians are often not the same as that of Broadway performers. For them to project that extra distance may be out of their reach and may cause serious strain on their vocal chords.

Two features that could also enhance the audience's experience at a performing arts center are the viewing angles and the rake of the seats. Often, it appeared that the slope was not steep enough to provide the best possible viewing. While the jury realizes that the Americans With Disabilities Act (ADA) needs to be considered, this issue is one that cannot be overlooked. The conflict between ADA slopes and good viewing can be ameliorated if they are designed separately and not as a single slope solution. Accessible seating locations and stepped seating areas must be coordinated to provide for optimum viewing. With regard to viewing angles, many stages appeared to be out of view of the seats on the extreme right and left of the house. The shape of the theater is also important. A rectangular theater that has seating stretching a great distance from the stage is a less desirable environment than one that is fan shaped with seating a reasonable distance from the stage.

Finally, designers and clients may want to consider the use of traditional-style aisles rather than the Continental style employed in several of the theaters reviewed. Traditional-style allows a person to cross over fewer people to get to an exit, making it easier for individuals whose seats are in the middle of the row to get to and from their seats. Continental seating is most conducive to a narrow demographic of mature theater-goers. Multiple generations, children, and the elderly need more and shorter access aisles.



Libraries and Media Centers

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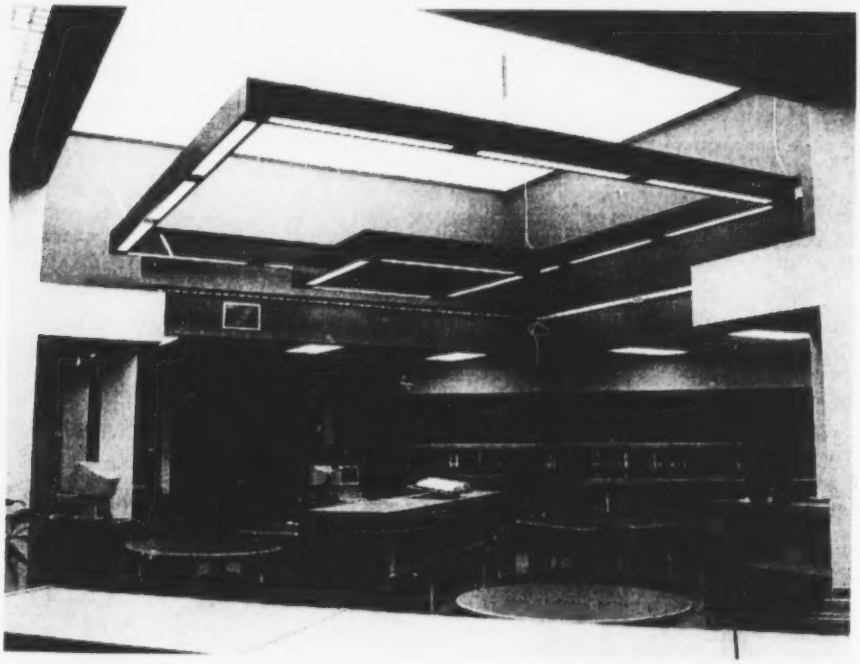
Jay R. Thompson Elementary School

Mesquite, Texas



Architect

WRA Architects, Inc.
7557 Rambler Road, Ste. 400
Dallas, TX 75231
(214) 750-0077

Photographer

WRA Architects, Inc.
Dallas, TX

Architect's Statement

This elementary school media center was planned to fill the dual roles of traditional library and technology hub with computer stations for instruction and research, and the school's educational media broadcast and distribution center. A bright, central light monitor is ringed by an intimate story area, two instructional spaces, and clusters of book shelves. Electronic access to instructional material is integrated into each of these areas, with student computers and video monitors. Racks of media players—for video, audio cassette, and compact disc—are on view in an adjacent control room. Bold paint colors, acoustical wall fabric, carpeting, and bleached oak furnishings unify and enliven the space.

Construction Costs $5,685,684

(No separate bid was taken for the library, approximately $350,000 was for the library and furnishings.) Publicly funded school bond.

Clearmont Elementary School

Learning Resource Center, Elk Grove Village, Illinois

Architect

Green Associates Architects
832 Custer Avenue
Evanston, IL 60202
(847) 328-0852

Photographer

HNK Architectural
Photography, Inc.
Highland Park, IL

Architect's Statement

The challenge was to transform a dated school library into an exciting center of advanced learning. We renovated the building's core, capitalizing on the area's high traffic level as a key junction to make the learning center literally a core of learning. Colors, ceiling tile and carpet patterns delineate areas dedicated to different learning systems from computers, CD-ROM, books, and storytime, from large group usage to small groups and individual children. Bright colors and shapes, interesting playground arches draw in students. To maintain flexibility in the electrical supply, the computer-aided instruction tables are powered from the ceiling and constructed of drywall so they can be inexpensively re-configured to adapt to future technology.

Construction Costs $3,635,672

Total project costs encompass far more than what is highlighted in this slide program. All classroom interior finishes were upgraded, all classrooms were also made state-of-the-art video/audio/computer-ready. The multi-purpose room was expanded and improved with a stage and window wall added.

Red Mill Elementary School

Etters, Pennsylvania

Architect
Hayes Large Architects
321 N. Front Street
Harrisburg, PA 17108
(717) 238-4795

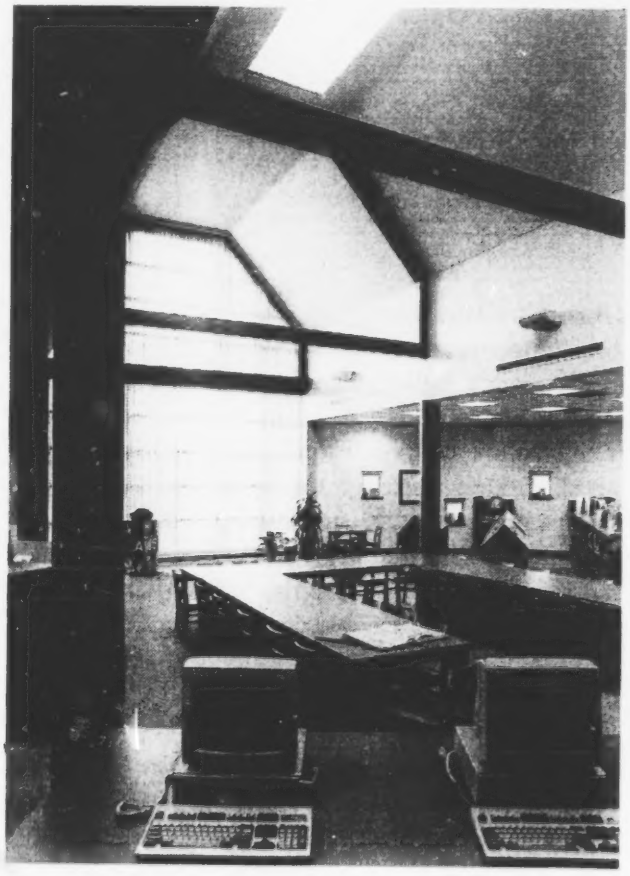
Photographer
Christopher Barone
Kingston, PA

Architect's Statement

This new 78,300 sf elementary school serves 825 children in a growing suburb of Harrisburg, Penn. An interior colonnade progresses to large library windows with views of the play area. The roof forms carry light into the library/media center and the 272-seat cafeteria has a stage for special events.

Construction Costs $6,603,383

Square footage costs amounted to $84.33 per square foot.



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Irving B. Weber Elementary School
Iowa City, Iowa

Architect
Wehner, Pattschull, Pfiffner, PC
201 Dey Building
Iowa City, IA 52240
(319) 338-9715

Photographer
Roland C. Wehner, AIA
Iowa City, IA

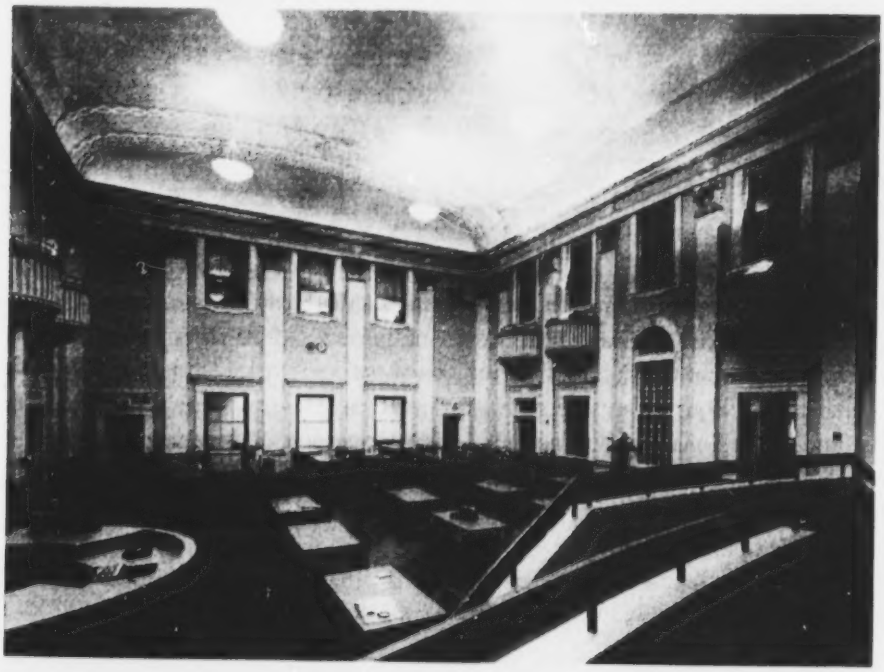
Architect's Statement
The 4,170 sf media center complex serves a new 48,000 sf three section elementary school. The media center proper comprises 2,920 sf. A computer lab, writing lab, parent room, small group space, office/work room, and AV storage utilize 1,250 sf. Extensive provision for electronic technology has been incorporated in the school. Two distinct computer networks, a comprehensive closed circuit television system, a communications network, and the central storage/retrieval/distribution of AV programs all are controlled from or originate within the media center.

The media center is the origin from which information and data are disbursed. Architecturally, this electronic centrality is accentuated. Through organization of the plan and a strongly sculptural and skylit form, this space serves to functionally and visually define the electronic heart of the school.

Construction Costs
$3,653,431
The project was funded through the issue of public bonds. Due to favorable bids, two classrooms were added by change order after the bidding.

Albany School of Humanities, Media Center

Albany, New York



Architect
Einhorn Yaffee Prescott
Broadway at Beaver Street
P.O. Box 617
Albany, NY 12201-0617
(518) 431-3414

Photographer
Durston Saylor
New York, NY

Architect's Statement

Discovered under a suspended ceiling and layers of paint in this 1925 school gymnatorium was a barrel-vaulted ceiling with cove lighting and intricately designed icons. Captured as part of an extensive renovation/addition program, the centrally located space was converted for this K-6 magnet school. It evokes a sense of classicism and "living literature," and encourages adventure and discovery through books and computer media, meeting the school's mission to integrate art, music, language and literature. The existing stage was converted to an intimate raised reading alcove. Dramatic, almost theatrical, balconies are frequently referred to by students as coming from the set of "Beauty and The Beast." With conduit in place, a computer network will provide the best of tomorrow in this classical space.

Construction Costs $350,000

This space was rehabilitated as part of a comprehensive building-wide renovation and addition, financing was provided through the State Education Department at a much higher rate than if it was undertaken as a stand-alone project.

Thomas Tolbert School

Dallas, Texas

Architect

Hildinger Associates Architects
6301 Gaston Avenue, Ste. 750
Dallas, TX 75214
(214) 826-3373

Photographer

Michael Lyon
Dallas, TX

Architect's Statement

Program. The program called for a 3,000 sq. ft. media center to serve a new pre-kindergarten through 6th grade elementary school with a population of 800 students.

Solution. In plan, the media center intersects the central rotunda in the spiral form of the new elementary school. This central rotunda is brought into the media center with circular furrdowns completing a system of floor patterns, wall surfaces and ceiling heights that reinforce the spiral organization. The circulation desk mirrors the pie-shaped ceiling above as part of the spiral. Extensive windows adjacent to the main circulation corridor brings natural light into and makes the media center visible from all areas of the school. Windows along the exterior wall highlight the media center as the "knuckle" element joining two of the classroom wings. The circulation desk and window heights are kept low to accommodate the smaller children.

Construction Costs

$6.5 million
Public funds as part of a $265 million bond package passed in 1994 for the Dallas public schools.

Maywood Elementary School

Hammond, Indiana

Architect
Fanning/Howey Associates, Inc.
114 York Street
P.O. Box 584
Michigan City, IN 46361
(219) 872-0635

Photographer
Emery Photography
Columbus, OH

Architect's Statement

This media center is the heart of the state-of-the-art data retrieval system as well as housing written materials. The space includes an office, a stepped viewing area, and reading room and has direct access to the courtyard, providing outdoor space for leisure study. All data, which is distributed to various portions of the building, is housed at this location or can be electronically obtained from other sources including the Library of Congress. The computer network system is integrated with a video distribution system that allows teachers to access videos, CD-ROMs and laser discs as well as creating lesson planning programs with interactive video.

Construction Costs $11,184,876

Funded by local property tax after review by the Indiana State Tax Board and subject to a remonstrance process.

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New Windsor Middle School

New Windsor, Maryland

Architect

Smeallie, Orrick and Janka, Ltd.
5820 York Road
Baltimore, MD 21212
(410) 433-4600

Photographer

Roger Miller
Baltimore, MD

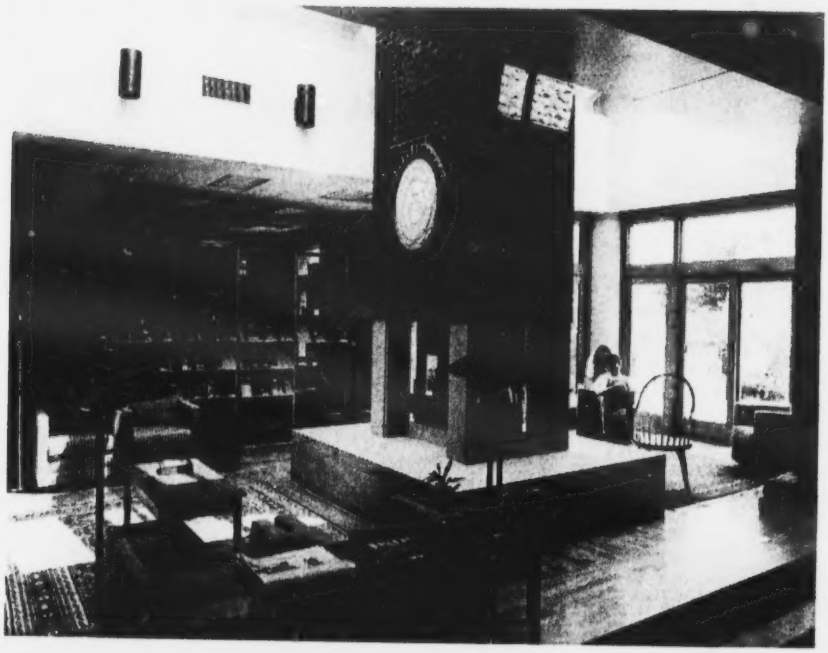
Architect's Statement

Design. Flexibility was designed into the prototype school plan, including instructional pods (math, social studies, reading, language and science). Computer classrooms are included and linked as the central hub for information, audio and visual communications. It has work rooms and a video studio. ***Classroom Furniture.*** Furnishings were selected to provide flexibility in arrangement, storage and teaching methods. Of particular concern was the integration of technology into the classroom and center identifying furniture to support changing instructional styles. ***Computer Hardware.*** Administrative, instructional and media functions originate from a Novell Ethernet local area network established in a 10-base "T" configuration. Two hub locations to a fiber-optic backbone support this topology. Each classroom, planning area and administrative area contains at least one drop, allowing retrieval of administrative information, instruction software and various other media functions.

Construction Costs $8.1 million (building capacity 500; building area 83,000 sf; cost per sf $97; space per student 138 sf; cost per student $13,480)

The William Bond Library for The Webb School

Bell Buckle, Tennessee



Architect

Johnson Crabtree Architects P.C.
4551 Trousdale Drive
Nashville, TN 37204
(615) 837-0656

Photographer

Howard & Associates

Architect's Statement

A boarding and day preparatory school wanted a new library to serve as a catalyst for enrollment growth and upgrading of the campus environment. The school required: a principal of form follows function; an inviting environment conducive to learning; supervision of all areas with minimal staffing; inclusion of computer technology; and durable materials with minimal maintenance.

The design team sought to create a space: to be the center of campus life; communicate a quality education; encourage individual and group learning; compatible with the other structures on campus in style and materials; and serve as a catalyst for the physical redevelopment of the campus.

Locating it next to the existing library, allowed closure of this side of the campus. Stack arrangements and use of glass allows staff to monitor the entire facility, yet allows individual study separate from group interaction. Use of daylight, brick, and wood creates a space used as both study and living room.

Construction Costs $1,600,000

Funds were developed partly through an individual donor and a grant.

J.A. Rogers Academy of Liberal Arts & Sciences

Kansas City, Missouri

Architect

Gould Evans Goodman Associates, L.C.
4041 Mill Street
Kansas City, MO 64111-3008
(816) 931-6655

Photographer

Mike Sinclair
Kansas City, MO

Architect's Statement

This facility is the arts and sciences middle school within an innovative magnet school system. The task of this project was to construct a facility for a specialized curriculum for 900 students in 124,000 square feet.

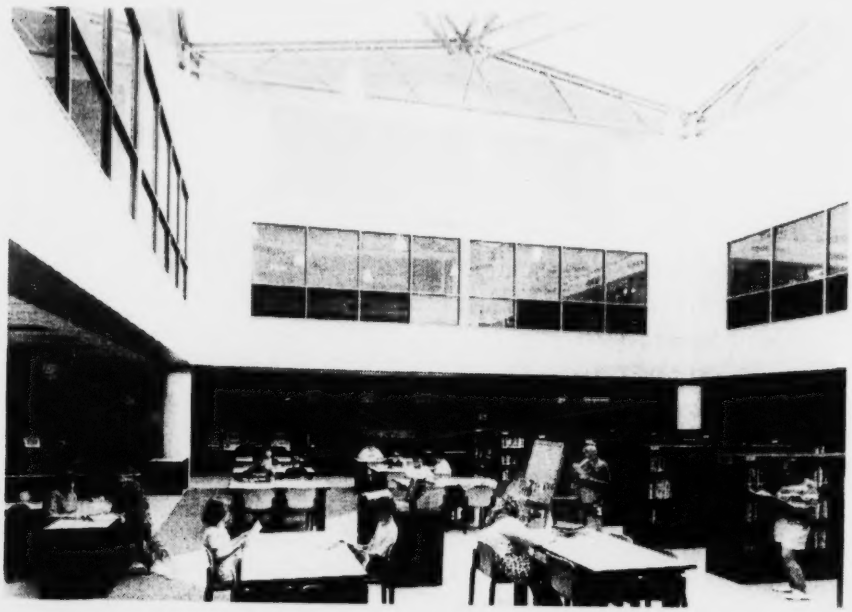
Situated on 22 acres of a heavily wooded site, the building is constructed on three levels, taking advantage of a 130-foot vertical drop from side to side. The design symbolically represents a formal expression of the interdependence of art and science, using geometry as a common denominator. The overlapping circle and rectangle create an environment in which geometry dominates, yet art is the by-product.

Construction Costs

$11,400,000
The Kansas City, Missouri School District's building program included construction of 22 new schools and 60 renovations of existing buildings funded by a $265 million dollar capital improvements package. The magnet school system is being developed in response to a desegregation order that will affect all inner-city schools over the next eight to ten years.

Hamilton Southeastern Junior High School

Fishers, Indiana



Architect

Fanning/Howey Associates, Inc.
3750 Priority Way South Dr.
P.O. Box 8006
Indianapolis, IN 46240
(317) 848-0966

Photographer

Emery Photography
Columbus, OH

Architect's Statement

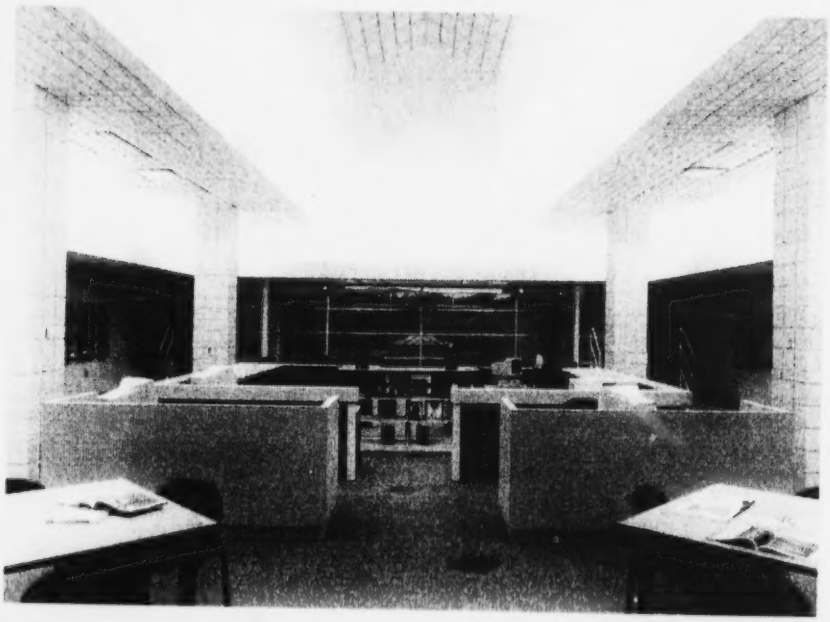
The owner desired to reinforce the center as the central resource for information access. It is located at the heart of the academic portion of the building. All classrooms radiate from this hub-like organizational arrangement. The two-story center is capped with a large translucent skylight that brings in natural light. Through a variety of means, natural light is introduced into adjacent classroom spaces. The center is fully integrated technologically and serves as the central distribution center for building-wide media retrieval system.

Construction Costs $15,841,456

Project was financed through the Indiana school lease provision. A not-for-profit holding corporation issued and sold tax exempt bonds to finance the construction and serves as the lessor of the building. The school system collects public property taxed in a debt service fund to pay annual lease payments. At the end of the lease term, the buildings and improvements become the property of the school system.

Dublin Scioto High School

Dublin, Ohio



Architect

Fanning/Howey Associates, Inc.
4930 Bradenton Avenue
Dublin, OH 43017
(614) 764-4661

Photographer

Emery Photography
Columbus, OH

Architect's Statement

All four academic clusters are in close proximity to guidance, science, and centralized media/technology center for increased student and teacher accessibility. A $2.0 million integrated voice, video and data system is focused around the dramatic media center, which connects all 98 instruction and academic support areas to virtually every type of voice, video and data media within this facility, school district, city or via satellite . . . the world.

Features:

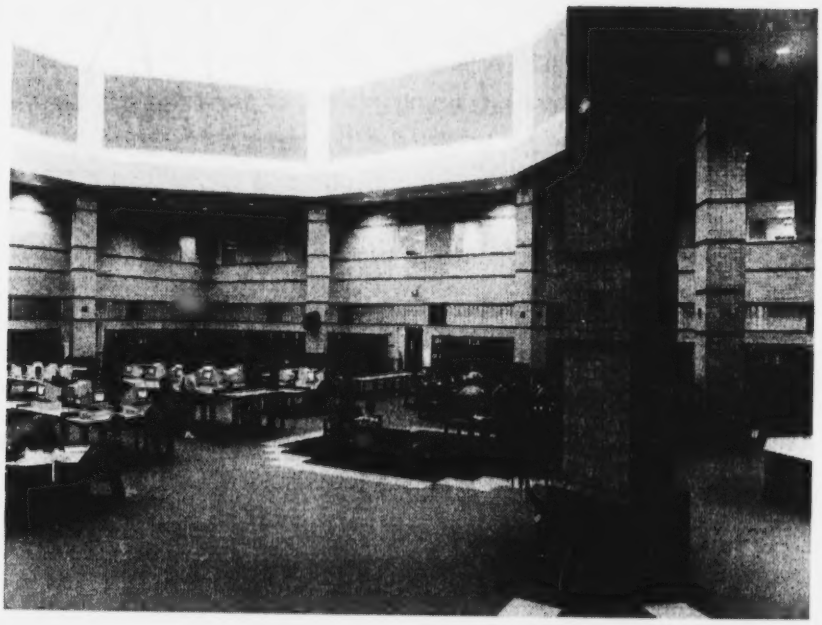
- Fully automated circulation/catalog
- Local Access Research Network
- Global Access Lab
- Newsbank: national and international wire service
- OCLC global inter-library loans
- Biology Digest
- State-of-the-art media production lab

Construction Costs $20,058,318

100 percent funded by Ohio bond issue.

Dakota High School

Macomb, Michigan



Architect
Fanning/Howey Associates, Inc.
1290 West Grand River Avenue
Williamston, MI 48895
(517) 655-1183

Photographer
Emery Photography
Columbus, OH

Architect's Statement
The academic area has as its center a two-story media center. It is capped with a long span octagonal translucent skylight system, introducing natural light into this interior space. The rooms surrounding the media center borrow this natural light through interior windows. The earth tone color scheme and dark green carpet give it the characteristics of an interior courtyard. The media center is equipped with computers for information access and retrieval. It was designed large enough to house up to 15,000 volumes and allow room for additional information access stations.

Construction Costs $44,327,000
100 percent funded by Michigan bond issue.

Warren Central High School

Indianapolis, Indiana

Architect

Fanning/Howey Associates, Inc.
3750 Priority Way South Dr.
P.O. Box 80006
Indianapolis, IN 46280-0006
(317) 848-0966

Photographer

Emery Photography
Columbus, OH

Architect's Statement

The program called for a media center to serve as the focal point for delivery of electronic and print media. Careful planning yielded a plan that included an expansive and flexible, naturally illuminated center which is easily accessible. The design includes all support areas and stacks surrounding a flexible central resource space. This space includes wiring for electronic access to resources within and without. The headend equipment for all educational technology distribution is located here and is accessible from all teaching and support spaces through the facility via a fiber optic back bone.

Construction Costs $30,688,855

Financed through the Indiana school lease provision. A not-for-profit holding corporation issued and sold tax exempt bonds to finance the construction project and serves as the lessor of the building. The school system collects public property taxed in a debt service fund to pay the lease payments. At the end of the lease term, the buildings and improvements become the property of the school system.

Champlin Park High School

Brooklyn Park, Minnesota

Architect

Armstrong, Torseth, Skold & Rydeen, Inc.
4901 Olson Memorial Highway
Minneapolis, MN 55422
(612) 545-3731

Architect's Statement

The media center of Champlin Park High School is the information and technological hub for this 2400 student school. A beautiful facility, it is equipped with state-of-the-art technology and multipurpose television studio/teaching station. Also houses head-end equipment. The media center is home to a career guidance area for the students, as well as computer labs and the standard library and research functions.

Construction Costs $28,875,966

Constructed as part of the new 364,000 square foot high school.

Medfield High School

Medfield, Massachusetts

Architect

A. Anthony Tappé and Associates, Inc.
Six Edgerly Place
Boston, MA 02116
(617) 451-0200

Photographer

Greg Premru
Somerville, MA

Architect's Statement

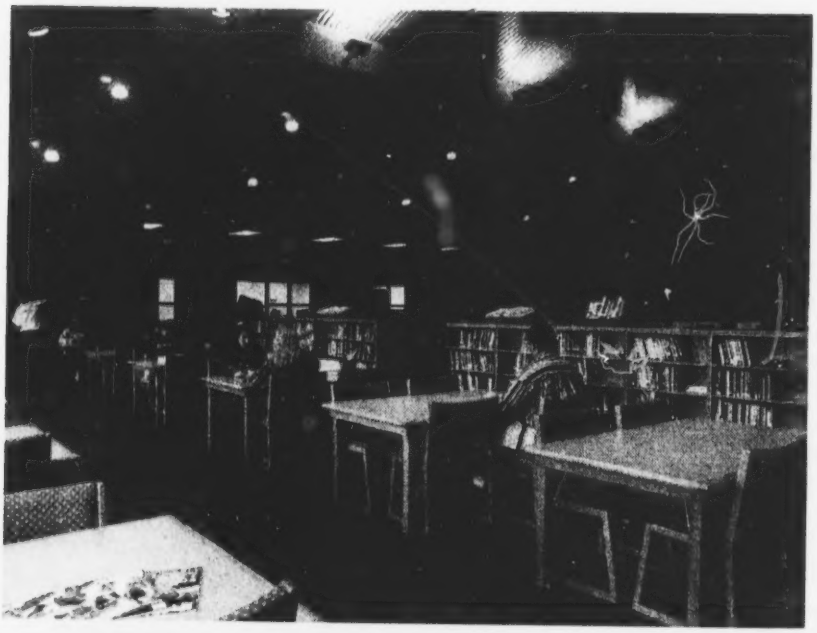
Renovation/expansion of this 1960 high school was centered around the new 12,000 sf library/IMC. A new entrance to the school was created to immediately introduce visitors to the library/IMC. As the hub of the building both physically and technologically, it has a barrel vault ceiling, custom designed circulation desk, two computer lecture/laboratory rooms, two A/V presentation preparation rooms, and a writing center room. Originally intended as part of the library, an electronic media lecture room, designed like a mini-theater/studio room with sound-absorbing walls and a control room for televising, is located down the hall.

Construction Costs $9,900,000

The $9,900,000 was the cost for the expansion/renovation of the entire school including the new library/IMC, a new science wing, new entrance and lobby, upgraded cafeteria facilities, expanded locker rooms and physical education facilities, building code and access upgrading, and the installation of a conduit raceway throughout the building for current and future technology networking.

Stillwater Area High School

Oak Park Heights, Minnesota



Architect

Armstrong, Torseth, Skold & Rydeen, Inc.
4901 Olson Memorial Highway
Minneapolis, MN 55422
(612) 545-3731

Architect's Statement

The media center of the breathtaking Stillwater Area High School is considered to be the information station and technological hub of the entire school, serving approximately 2,400 students. It boasts a multipurpose television studio, which can also be used as a teaching center, as well as the standard library functions. There is a uniqueness about this media center in that the central media center was downsized, and smaller resource centers were installed into departmentalized areas throughout the building.

Construction Costs $28,000,000

The media center was constructed as part of the new 354,000 square foot high school.

The Batten Library

Norfolk, Virgina

Architect

Hanbury Evans Newill Vlattas & Co.
120 Atlantic Avenue
Norfolk, VA 23510
(757) 627-5775

Photographer

Prakash Patel
Washington, D.C.

Architect's Statement

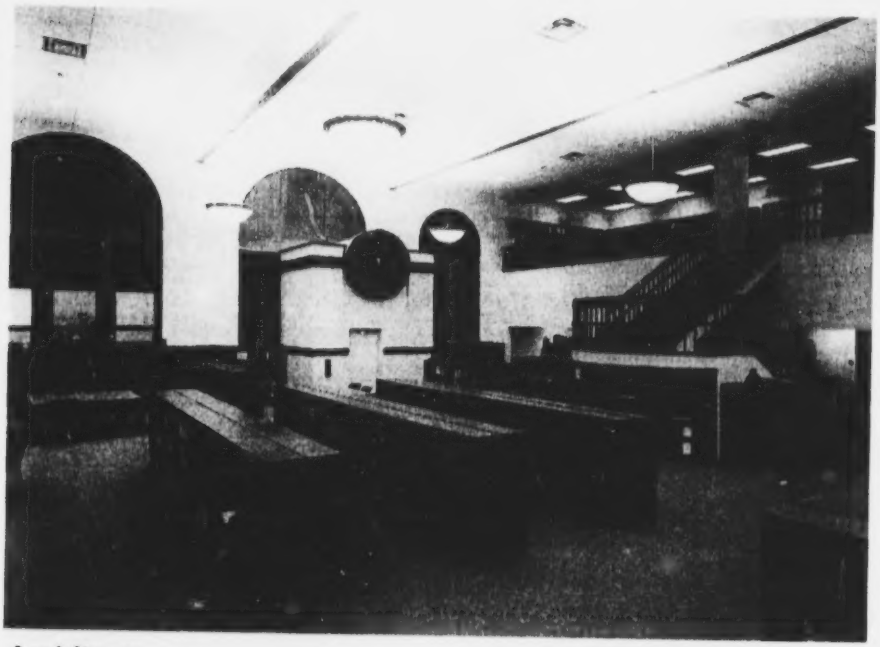
The 45,000 volume library and high-technology learning center, is the core of the schools computing and AMX Synergy multimedia distribution network offering remote access to audiovisual resources. The facility encompasses a large classroom/presentation room featuring an analog-digital projection system facilitating multimedia presentations and global satellite teleconferencing (distance learning) capabilities. The center provides students and faculty with smaller electronic classrooms, a computer learning center and digital and video editing suites. Library seating offers personal connectivity to the campus computer network and InterNet. Carrels are equipped with "fixed" computers, specially designed reading lights and data ports for lap-top computers.

Construction Costs $4,667,000

Financing for the library was raised entirely from private individual donations from parents of Norfolk Academy students, alumni and community leaders. Establishment of a separate endowment ensures that the Academy will have the fiscal ability to stay current with emerging technology.

North High School Library

Omaha, Nebraska



Architect
RDG Schutte Wilscam Birge
8805 Indian Hills Drive Suite 100
Omaha, NE 68114
(402) 392-0133

Photographer
Tom Kessler
Omaha, NE

Architect's Statement

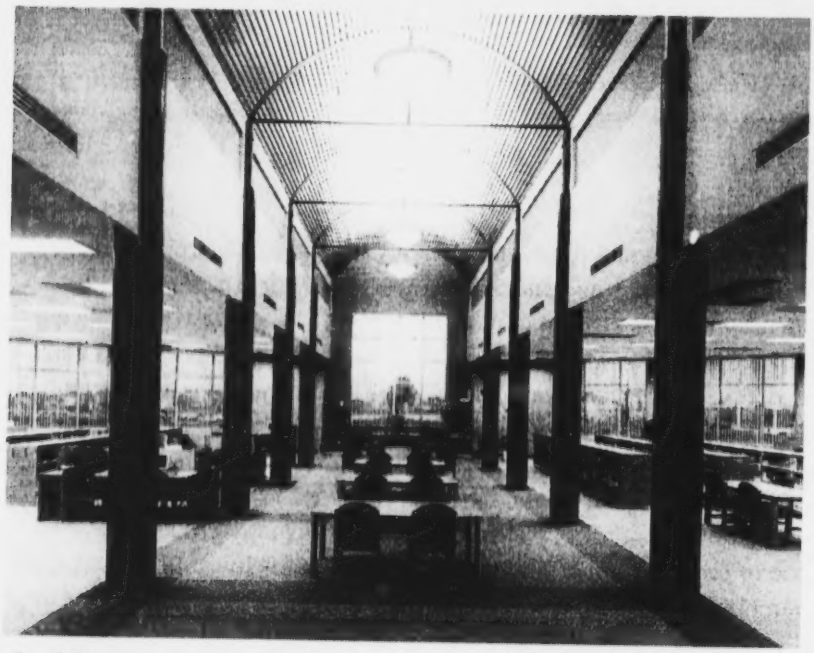
The school's program called for this high school to become the leading academic secondary school in a 7 high school public system. As part of a complete renovation of all facilities within the building, the library was moved from a basement room to the former gymnasium space. As a magnet school for computers, mathematics and science, the renovated library space serves as the focal point of information for these curriculums. The two story space was converted to 2 levels for a portion of the space to accommodate square footage requirements. Character matching other portions of the school was used.

Construction Costs $18,500,000

Financing was approved by district voters as part of a $105,000,000 district bond issue.

Millard West High School Information Center

Omaha, Nebraska



Architect
RDG Schutte Wilscam Birge
8805 Indian Hills Drive, Suite 100
Omaha, NE 68114
(402) 392-0133

Photographer
Tom Kessler
Omaha, NE

Architect's Statement

The program for the facility stated that the school will be a visionary environment which promotes and nutures personal growth and achievement. Based on information power and student-centered activities, the design of the space will be flexible providing optional student learning environments. Along with easily identifiable entries, the facility's library/media center showcases the building's emphasis on information power as the defining element of the structure and is thus called the information center. At the heart of the facility, the center is immediately adjacent to entries, teacher planning centers, resource rooms, and core curriculum classrooms.

Construction Costs $32,000,000

Financing was approved by district voters as part of a $35,000,000 district bond issue.

Jordan High School Media Center

Sandy, Utah

Architect

MHTN Architects, Inc.
#2 Exchange Place
Salt Lake City, UT 84111
(801) 595-6700

Photographer

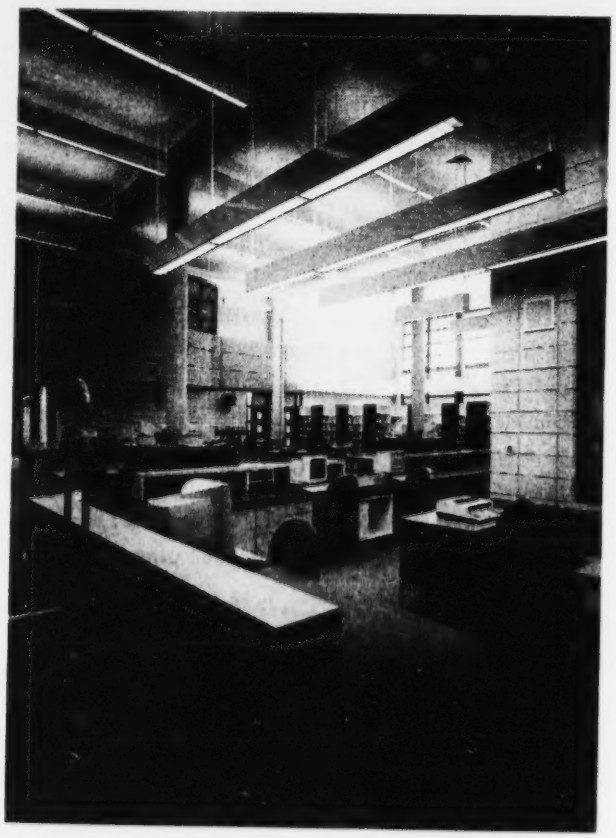
Douglas Kahn
Lincoln, KS
Kevin Scott Johnson
Salt Lake City, UT

Architect's Statement

This high school was designed for a student body of 2,500. It's architectural program is divided up into three general sections: academic/vocational, athletics/performing arts, and the student commons/media center. These sections are linked by two main corridors that run parallel to each other and perpendicular through each section. Centrally located between these corridors is the student commons/media section. Programmatically, the media center contains a TV studio, computer lab, classrooms, reading and stack room and a distance learning center with fiber optic lines connected to all classrooms. Similar with the other functions in this section, the media center is visually connected through the use of larger volumes and transparent walls for inviting natural light and people watching.

Construction Costs

$34,609,000
With a total cost of $34,609,600 and 360,000 sq. ft. of space, a total cost per foot of $96.13 was obtained.



Cody High School Media Center

Cody, Wyoming

Architect
Drake-Gustafson Associates, P.C.
11 East Airport Road
Billings, MT 59105
(406) 245-6483

Photographer
Bill Blake
Cody, WY

Architect's Statement

Project included extensive remodel of 1950's/60's school building. Two former science rooms were restructured into a fully interactive library, media and communications hub. Remodel and subsequent addition have resulted in campus being fully networked for computer, video/cable TV, Internet and communications. Plan includes three group study rooms of varying sizes. One is large enough for an entire class to study adjacent to resources and also functions as wide area network (WAN) facility. Integrating the demands of past and present media types and anticipating future needs while providing a cohesive interior design is consistently the primary challenge of this project type.

Construction Costs $1.8 million

Difficult budget was further strained by extensive seismic improvements. Established agreement with owner to maintain adequate budget for media center while compromising or deleting elsewhere.

Northville District Library

Northville, Michigan

Architect

TMP Associates, Inc.
1191 West Square Lake Road
Bloomfield Hills, MI 48302
(810) 338-4561

Photographer

Gary Quesada
Korab/Herich-Blessing
Troy, MI

Architects' Statement

This district library was designed in context with the existing historic downtown architecture. Because the community wanted to keep the library downtown, and land was scarce, the Library Board was compelled to house the 25,000 square foot program in a two story structure. An additional design challenge was the twelve foot vertical grade change of the site. The two levels of the library are physically and spatially joined by a central stair located within an atrium space surrounded by clerestory windows. The atrium is the core of the library around which the building mass and library functions pinwheel. Materials for the project are reflective of the District's Victorian traditions, including handmade Pewabic tiles at the reading room fireplace, traditional furnishings and craftsmanship in the details. Reading spaces have panoramic views of the adjacent park and study spaces provide a warm, comfortable environment for concentration.

Construction Costs $3,895,598

This project successfully met the owner's budget parameters.

Johnson County Central Resource Library

Overland Park, Kansas

Architect
Gould Evans Goodman Associates, L.C.
4041 Mill Street
Kansas City, MO 64111-3008
(816) 931-6655

Photographer
Mike Sinclair
Kansas City, MO

Architect's Statement

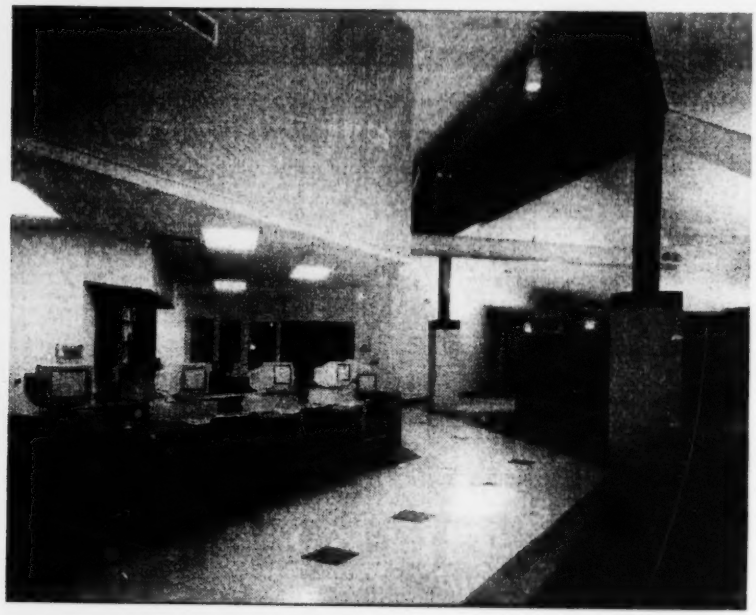
Adaptive reuse allowed for the conversion of this 90,500 sq. ft. facility from an abandoned windowless retail space into a 21st century research facility. The high-tech facility was designed with flexibility to accommodate technological growth. The facility is sensitive to research needs of all age groups, from youth services area to genealogical research. By salvaging the existing structure, the client saved approximately 27% of the cost of new construction, obtained a central location and contributed to the revitalization of a struggling commercial district. Architects reused materials from the demolition; used non-toxic adhesives and water based paint; and recycled the flooring.

Construction Costs $12,700,000

By salvaging the existing structure, the client saved approximately 27% of the cost of new construction.

Poth ISD Resource & Technology Center

Poth, Texas



Architect
Randall E. Fromberg, AIA
2406 Lake Austin Blvd.
Austin, TX 78703
(512) 495-9171

Photographer
Atelier Wong Photography
Austin, TX

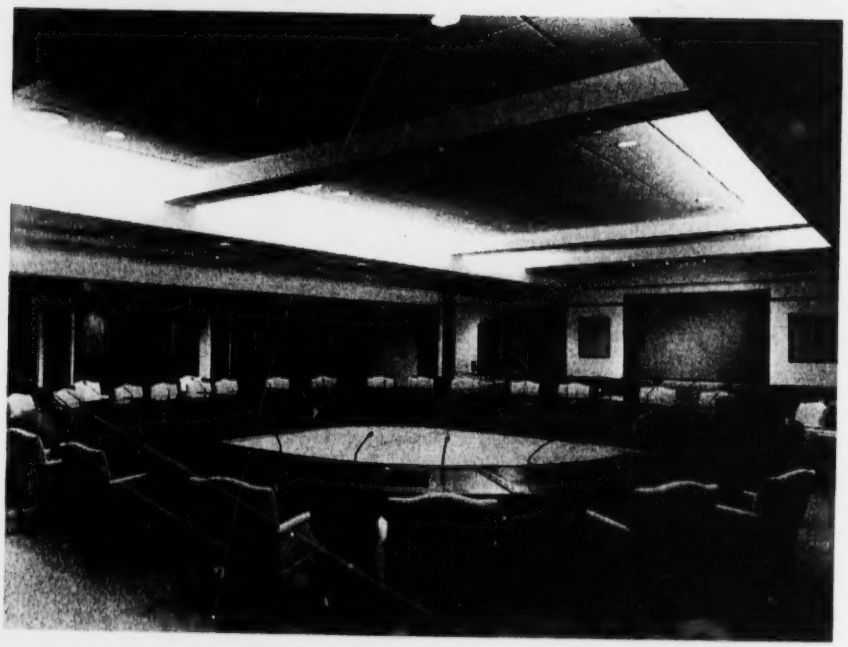
Architects' Statement

This technology resource center, located in an agricultural South Texas community, progressively responds to the needs of local youth & breaks-down the physical limits of the traditional "library". Besides serving grades K-12, the community in general has access after hours. Elementary, jr. high and high school pods encircle a resource administration hub, where a "librarian" manages data and video resources. All systems are networked to terminals ringing the hub & on to the classrooms. In the distance learning lab students and instructors are joined by satellite transmission. This building is the architectural & intellectual center of the K-12 campus and the community as a whole.

Construction Costs $60 per sf (project size: 9250 sf)

Dixon University Center

Harrisburg, Pennsylvania



Architect

Hayes Large Architects
Logan Blvd. & Fifth Avenue
Altoona, PA 16603
(814) 946-0451

Photographer

Christopher Barone
Kingston, PA

Architect's Statement

This facility unites and energizes the campus by making it an active player in university center life. All public and shared spaces were placed on the first floor. These spaces flow outdoors, creating patios and an arcade along the campus lawn, inviting people to use the building as a shortcut, or stop and socialize. Divided into two parallel three-story "bars," each is similar to the existing buildings. A sky-lighted atrium provides daylight to office interiors and to the first floor reception gallery. This form provides an efficient plan and building envelope and yields a profile similar to other buildings.

Construction Costs $10,370,000

Technology Center—Metro Tech Vocational Institute

Phoenix, Arizona

Architect
BPLW Architects & Engineers, Inc.
49 West 1st Street
Mesa, AZ 85201
(602) 827-2759

Photographer
Theodore Wyshyvanuk
Phoenix, AZ

Architect's Statement

The center houses curriculum support services for campus teacher training. Resources provided include computer, multi-media instructional design and delivery. Computer, multi-media, video studio, and edit work stations are available to foster use of technology in classrooms.

The plan was to demolish the original auditorium, but the architect recommended renovation due to available volume of space. Original brick was matched, sloped floor removed, mechanical and electrical systems updated, and steel trusses exposed to support new continuous skylight.

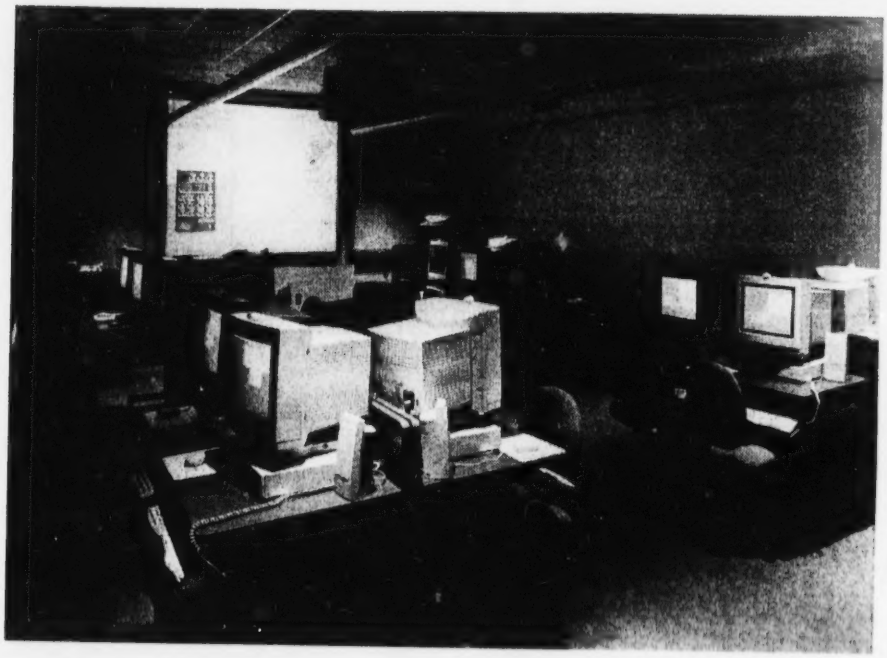
Construction Costs $1,934,014.00 ($54.30/sf)

The school renovation was financed through capital bonds that was voted on and approved by the public. All project construction costs including architectural and engineering fees, building permits, legal and financing fees were paid from the bond funds. A small portion of the renovation costs were paid from the federal government asbestos abatement funds. These costs were refunded to the district through maricopa county government to replace building components after abatement.

35

Duquesne University Multi-Media Classroom

Pittsburgh, Pennsylvania



Architect
Hayes Large Architects
606 Liberty Avenue
Pittsburgh, PA 15222
(412) 391-3086

Photographer
Jim Schafer
Pittsburgh, PA

Architect's Statement

The success of this multi-media classroom lies in its flexibility. Work surfaces are designed to move quickly into new arrangements during or between classes, with no constraints associated with the extensive wiring involved in this technology. Using an innovative stand pipe, work stations pivot into a variety of groupings for large lecture seating, small group discussion, cooperative learning groups, or individual study. This flexibility allows the classroom to meet traditional, current and future educational needs. The architect designed the new classroom and work station prototype, an example of how a traditional 1930's 800 square foot classroom can be cost effectively renovated.

Construction Costs $187,500

University of Pittsburgh Media Center

Pittsburgh, Pennsylvania

Architect

Hayes Large Architects
606 Liberty Avenue
Pittsburgh, PA 15222
(412) 391-3086

Architect's Statement

The new distance learning center is not about computers, it is about teaching. Here they can teach everything from music to mathematics, English to entomology by delivering interactive multi-media information.

Construction Costs $200,000

Hudson Valley Community College, Computation and Communications Building Auditorium

Troy, New York

Architect

Einhorn Yaffee Prescott
Broadway at Beaver St. POB 617
Albany, NY 12201-0617
(518) 431-3414

Photographer

Durston Saylor
New York, NY

Architects' Statement

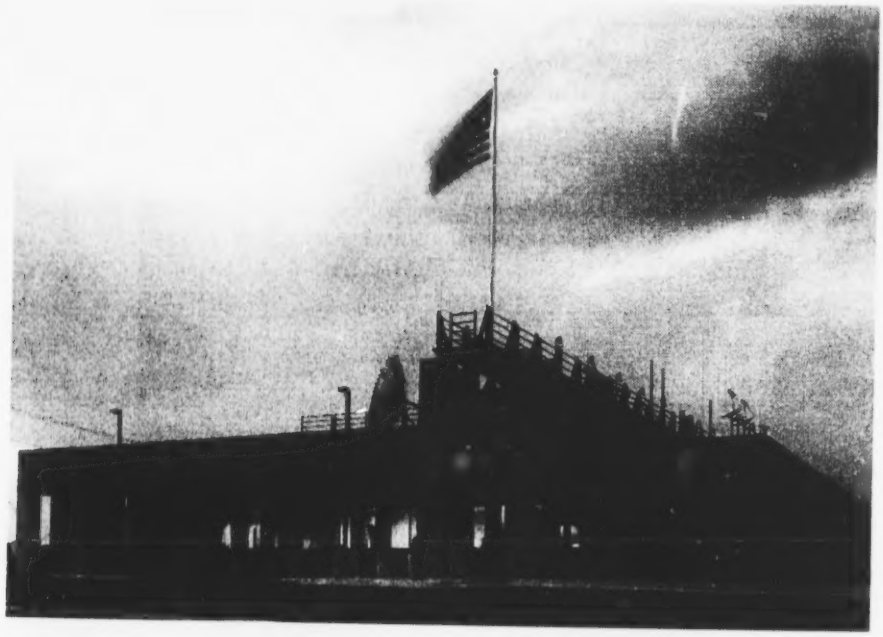
This 250-seat auditorium was designed as part of a new community college building dedicated to the exploration of technologically enhanced learning, both in "real time" and through various modes of distance learning to compatible facilities worldwide. Through sophisticated conferencing features, including full video and data connectivity (via satellite) and state-of-the-art display and presentation capabilities, the space serves both students and corporate continuing education needs. Events can accommodate over 1,000 people through connective media in adjacent pre-function areas, sub-dividable breakout rooms, the lobby and over 20 high-tech classrooms. The custom podium affords full A/V control, or AV can be handled remotely from the auditorium control room or the building's television studio. Ramps accommodate multiple camera locations as well as physically challenged participants.

Construction Costs $1,200,000

The auditorium is regularly booked by private corporations and public agencies. The revenue helps the college to support ongoing operations.

National Hurricane Center, Florida International University

Miami, Florida



Architect

Gould Evans Goodman Associates, L.C.
4041 Mill Street
Kansas City, MO 64111-3008
(816) 931-6655

Photographer

Mike Sinclair
Kansas City, MO

Architect's Statement

This facility houses a weather forecast office and an international hurricane prediction center. It was designed as a fortress, protecting internal operations. Two elongated and massive blocks of reinforced concrete house the support functions and equipment. The building withstands 130-mph winds without damage and a hit by a 250-pound projectile at 60 mph. Roll-down/jalousie shutters and storm panels supplement the 10"-thick concrete exterior shell. The facility hosts workshops, seminars and educational tours. It houses experts in meteorology and hurricane forecasting plus hydrological and meteorological scientists. During severe weather, a staff of 40 can expand to over 75.

Construction Costs $5,000,000

The National Oceanic and Atmospheric Administration has undertaken a major modernization and restructuring program for its National Weather Services offices. This is part of a multi-year program to replace aging equipment with the latest technology advanced warning and forecast equipment in 118 Weather Forecast Offices, including the National Hurricane Center.

Orem's Children's Library

Orem, Utah

Architect

MHTN Architects, Inc.
(Scott Louie and Browning)
(Firms merged in 1994)
#2 Exchange Place
Salt Lake City, UT 84107
(801) 595-6700

Photographer

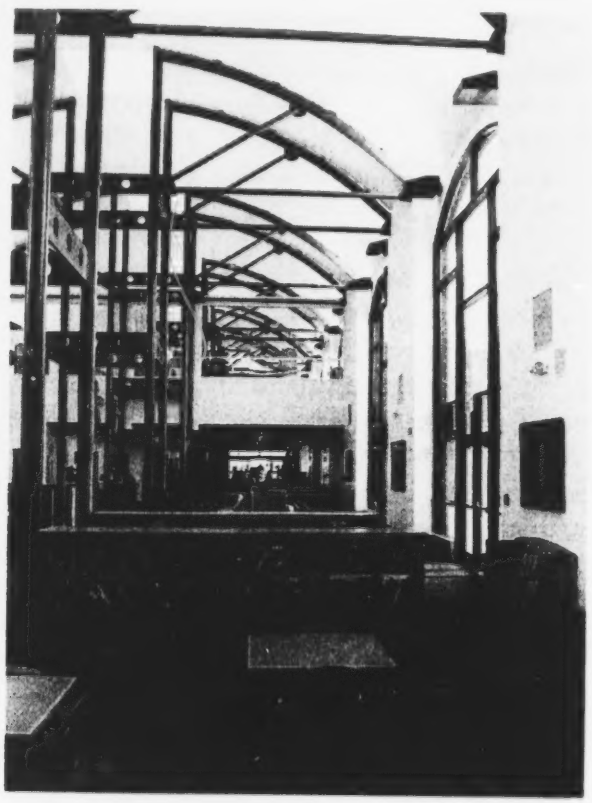
Kevin Scott Johnson
Salt Lake City, UT

Architect's Statement

This children's library is an addition to the city's main library. It's design is based not only on the written word but also the spoken word. Composed around a large building envelope, the roof structure supports step through book stacks and reading tables mimicking the rhythm and overhead enclosure formed by a bosque of trees. Natural light is invited into the building through a repetition of punched openings culminating with stained glass dipicting local historical scenes at the end wall. Several story-telling niches are provided in the adjunct of small, more intimate volumes.

Construction Costs

$3,200,000



City of Smyrna Library

Smyrna, Georgia

Architect

Sizemore Floyd Architects, Inc.
1700 Commerce Drive, N.W.
Atlanta, GA 30318
(404) 605-0690

Photographer

Gary Knight & Associates
Chris Hamilton Photography
Atlanta, GA

Architect's Statement

This 30-acre development reestablishes a pedestrian-oriented Main Street, with retail, office and housing being built around them.

This 28,000 sf 120,000-volume library is flooded with daylight to both floors through the skylights and light wells that focus each reading and browsing area. With the warmth of light, wood deck and beams and extensive brick, inside and out, the areas change mood throughout the day, yielding a dynamic character and environment each visit. "Friends of the Library" continue to add stained glass panels into window transoms. The plan is very open for control, yet intimate through the use of the *pods* on each corner of each floor for designated functions... browsing, reference, children, fiction, and administration.

Construction Costs $ 3.5 million

Part of an $11 million Downtown Development Authority Bond Issue to redevelop the town center included a community center, village green, new streets, and improvements. Less than 2-mil increase in tax to fund the bonds.

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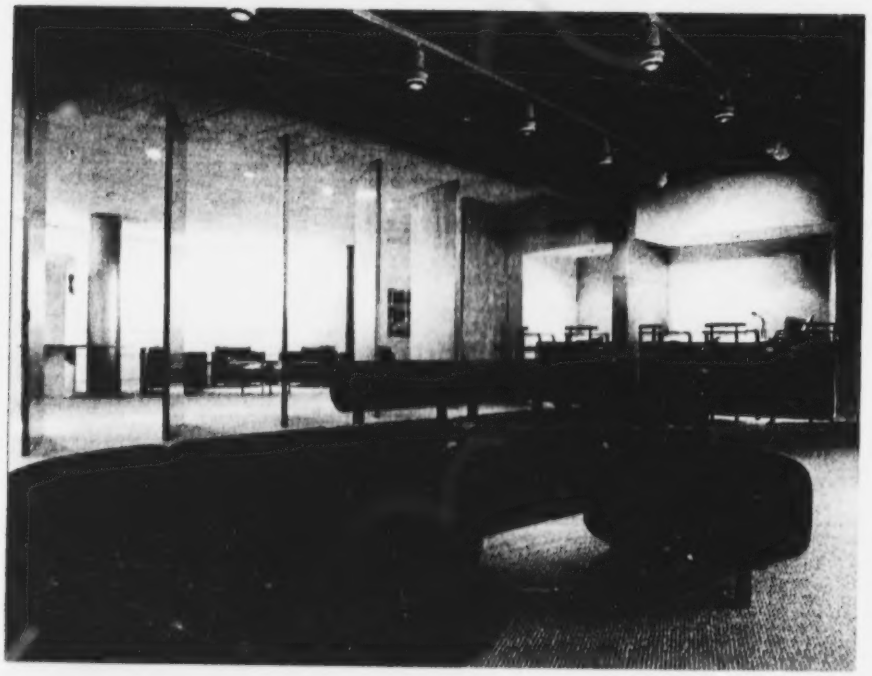
ROLM Communications Executive Briefing Center

Santa Clara, California



Architect

RMW Architecture + Design
40 So. Market Street #400
San Jose, CA 95113
(408) 294-8000

Photographer

Paul Peck
San Francisco, CA

Architect's Statement

In California's Silicon Valley, Siemens opened a new executive briefing center. Visitor groups from the United States and abroad may spend a day or two at the center, comfort, style and state-of-art audio visual systems are required.

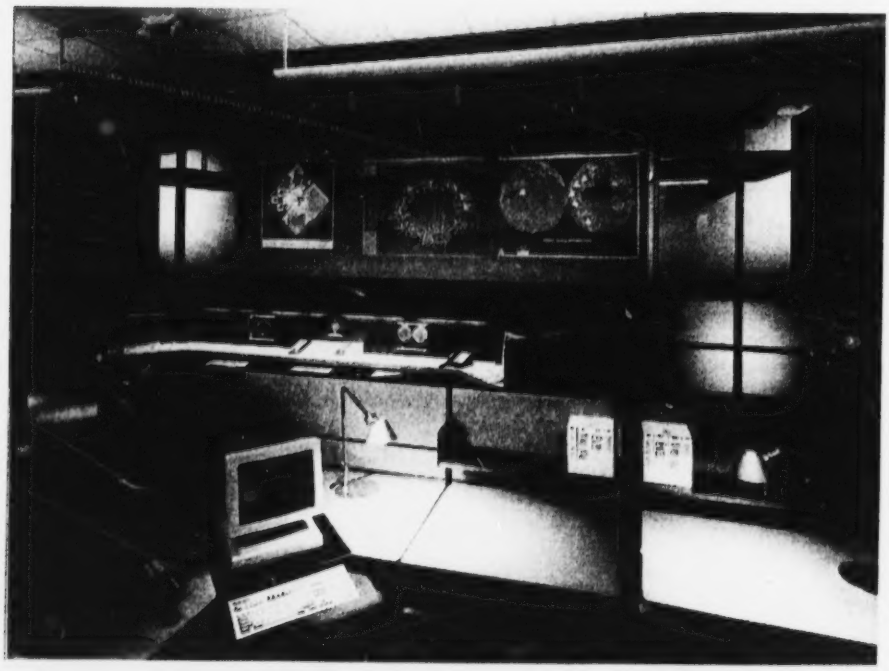
The concept was to set up a sequence of "events" which contribute to a complete visitor experience. The interior plan places presentation, dining and demo rooms off a broad central circulation path which acts as a metaphor for the interconnectivity of the company's product line. A backlit wall will enhance product marketing by containing color transparencies of relative images within its grid. Pivot doors allow the demo room to open onto the path or to close for complete privacy. The presentation rooms are focused on audio/visual display, where the layering of lighting systems is integral.

Construction Costs $1.3 million

The project budget based on fully integrated AV system of the highest quality. The architectural design solution incorporated these elements, met the client's expectations for image and ambience and was delivered on budget and on time.

Sybase Data Center

Emeryville, California



Architect
RMW Architecture + Design
160 Pine Street
San Francisco, CA 94111
(415) 781-9800

Photographer
Paul Peck
San Francisco, CA

Architect's Statement

The Sybase Center is the nerve center of this worldwide computer software company, housing the computer room (15,000 sq. ft.), network node and critical support functions.

Consolidating the computer room, the technical support staff and the network response area into a single location required a creative solution in zoning to accommodate strict acoustical segregation while maintaining a visual connection. The plan radiates outward from a glass enclosed "theater" style network response area. Designers took advantage of the single-story, high-bay buildings to incorporate a dynamic ceiling system which steps at the response area, utilizing skylights at the main circulation ring, and becomes more intimate at the office areas with a lowered ceiling.

Construction Costs $5,300,000

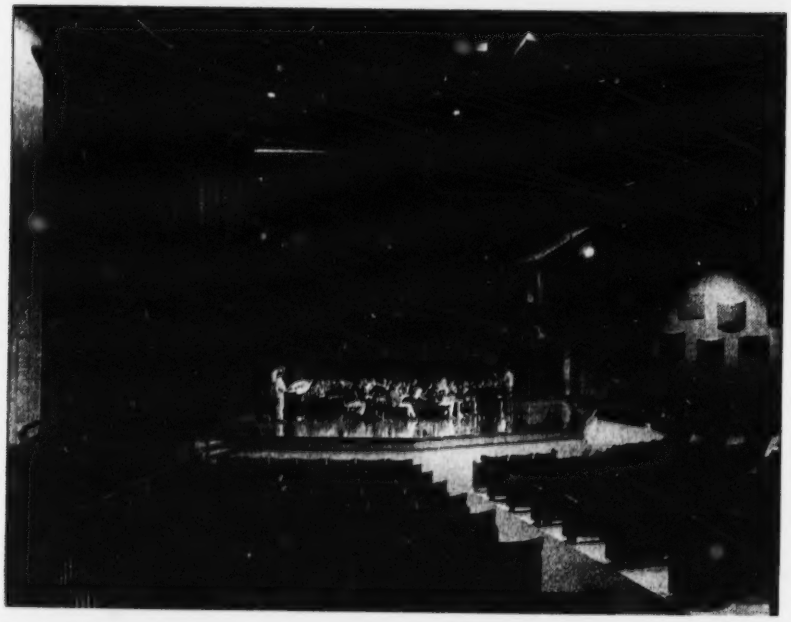
Construction costs were low for a facility of this type because the designers were able to take advantage of large open areas in the existing warehouse shell and a thrifty "value added" approach to design.

Performing Art Spaces

BEST COPY AVAILABLE

Willmar Senior High School Auditorium

Willmar, Minnesota



Architect
Armstrong, Torseth,
Skold & Rydeen, Inc.
4901 Olson Memorial Highway
Minneapolis, MN 55422
(612) 545-3731

Photographer
Ralph Berlovitz
Minneapolis, MN

Architect's Statement

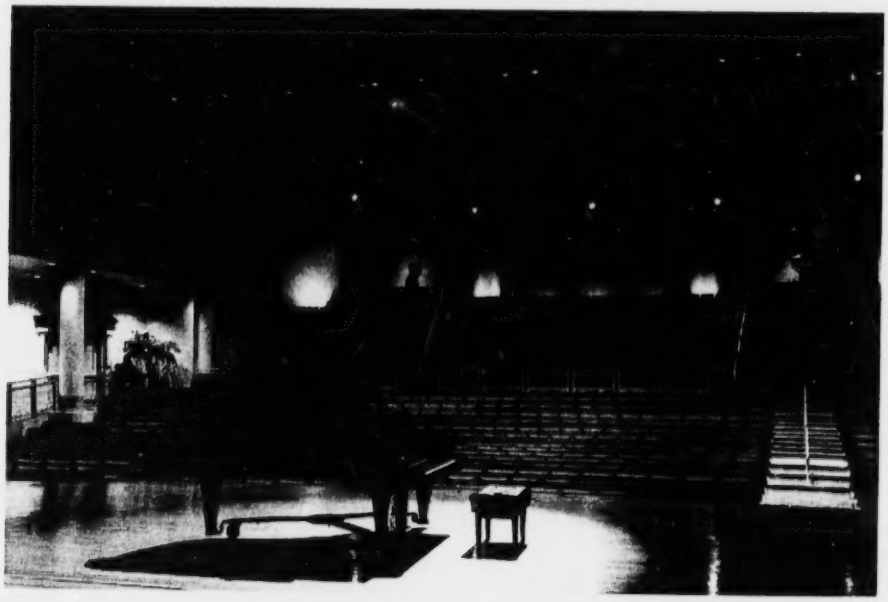
Willmar Senior High School is a new 270,000 square foot facility for approximately 1600 students that houses a multi-use auditorium as part of the new high school design. The Willmar community also enjoys use of the high school, with the building organization providing proper zoning for day and night use.

The auditorium is used for performing arts, presentations, lectures, testing, and music performances. It was designed to seat 600 people, and was created on a restricted budget for a rural Minnesota community. An extensive catwalk system allows for full access to the ceiling for lighting, re-lamping the house lights, and to position lighting for on-stage performances.

Construction Costs $14,613,000
Auditorium was constructed as part of the new 270,000 square foot high school.

Performing Arts Center, McEachern High School

Powder Springs, Georgia



Architect

Smallwood, Reynolds, Stewart,
Stewart & Associates, Inc.
One Piedmont Center, Suite 303
3565 Piedmont Road, NE
Atlanta, GA 30305
(404) 233-5453

Photographer

Gabriel Benzur Photography
Atlanta, GA

Architect's Statement

The center was designed to be compatible with other buildings on campus. The 862-seat, 35,325-gsf facility is a traditional brick structure with a low-profile facade featuring an enclosed colonnade. The colonnade, serving as art gallery/ pre-function lobby for theater patrons, includes brick columns with arched glass, brick banding, and a metal roof.

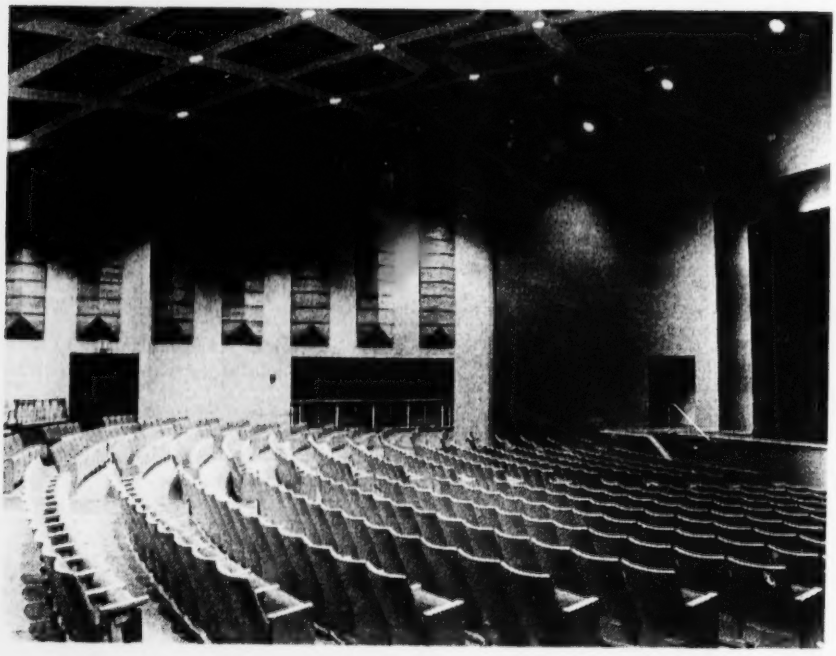
The theater is a multipurpose structure, accommodating musical, drama and dance performances. It features a working fly-loft and orchestra pit with mechanical lift. Support spaces include art gallery; rehearsal wing for orchestra/ choral groups; stage-related storage, dressing and set construction facilities.

Construction Costs $4,484,000

The project had to be within the budget set up for a normal high school facility with some outside assistance due to an endowment the school received based on the benefactor's desire to use it for the benefit of the entire community.

West Mesquite High School

Mesquite, Texas



Architect
WRA Architects, Inc.
7557 Rambler Road, #400
Dallas, TX
(214) 750-0077

Photographer
WRA Architects, Inc.
Dallas, TX

Architect's Statement

This 800 seat high school auditorium includes state of the art features such as a motorized rigging system, computerized dimmer racks, acoustical reinforcing, and complete handicap accessibility. These features not only allow the space to be multi-functional, but also allow students to participate in every aspect of the production. Hardwood acoustic reflectors on the house walls emphasize the height of the coffered ceiling above. This volume, combined with the use of color and pattern, give a grand scale to this medium sized auditorium.

Construction Costs $12,382,700
Publicly funded school bond.

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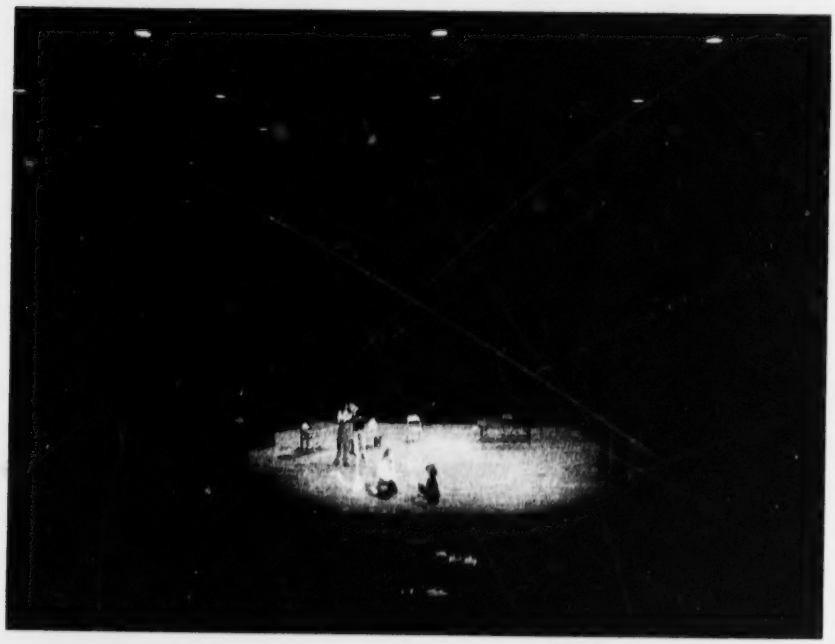
Solon High School Performing Arts Center

Solon, Iowa



Architect
Wehner, Pattschull, Pfiffner, PC
201 Dey Building
Iowa City, IA 52240
(319) 338-9715

Photographer
John F. Shaw, AIA
Iowa City, IA

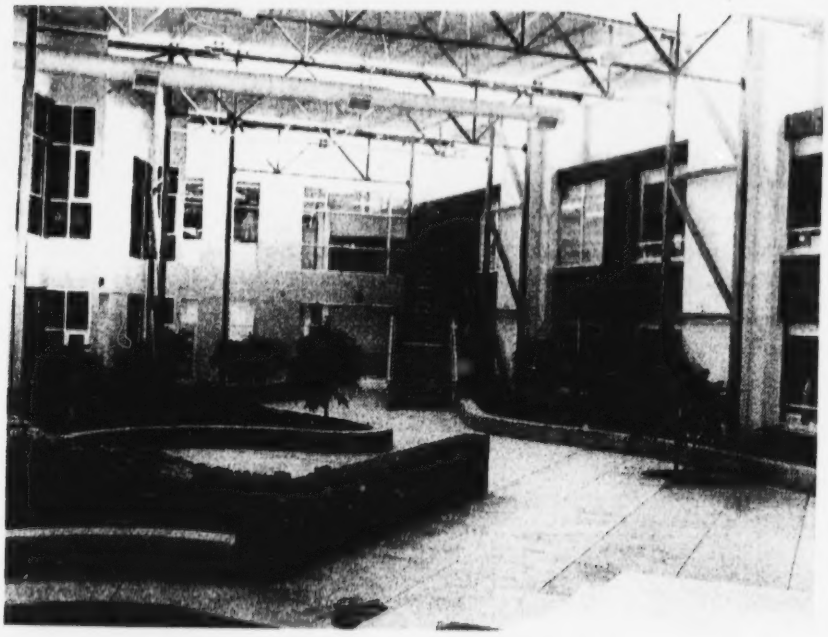
Architect's Statement

A new 13,900 sf 418 seat performing arts center contiguous to middle/high school. Resolve limited budget, constrained site and programmatic adjacencies with owner's determination to provide space consistent with school's talented performing arts faculty. The price of complex configuration in pursuit of acoustic performance was beyond project means. The simple rectangle defines a traditional proscenium theater. Oblique walls at stage side direct sound while defining ducts to mechanical equipment below. The black exposed structure and light bridge above defray cost and minimize reverberation as they create a sense of mystery. New is the use of fundamental architectural form and primary, little embellished space. The black box affords a notably successful acoustic and theatrical environment.

Construction Costs $997,000 (seating, sound, & lighting sys. not incl.) Funded through the issue of public bonds. Budget constraints were imposed by the legal bonding capacity of the community. Through economy realized by the use of fundamental forms and materials, the District was able to upgrade the quality of the lighting and sound system.

Cody High School Commons

Cody, Wyoming



Architect
Drake-Gustafson Associates, P.C.
11 East Airport Road
Billings, MT 59105
(406) 245-6483

Photographer
Bill Blake
Cody, WY

Architect's Statement

Project involved a two story classroom and student commons addition to an existing 1960's L-shaped school plan. Commons was conceived as a "Town Square" viewed by almost half of the campus classrooms. Plan includes an amphitheater/performance platform which is used for dance bands, jazz bands, lectures and less formal presentations. Entire commons is wired for communications, video/TV, computer and sound to easily allow virtually any type of educational, performance or exhibit function. One surprisingly pleasant "performance" characteristic of the space has been that of the high school students as they interact in this highly visible centerpiece of the campus.

Construction Costs $4.8 million (entire project)

Existing original high school was found to be seismically deficient and difficult to upgrade. State of Wyoming Emergency Fund was used to demolish and replace the deficient portion. The budget had to be stretched and reallocated to allow for the addition of the student commons to the program.

Jordan High School Performing Arts Auditorium

Sandy, Utah

Architect

MHTN Architects, Inc.
#2 Exchange Place
Salt Lake City, UT 84111
(801) 595-6717

Photographer

Douglas Kahn
Lincoln, KS
Kevin Scott Johnson
Salt Lake City, UT

Architect's Statement

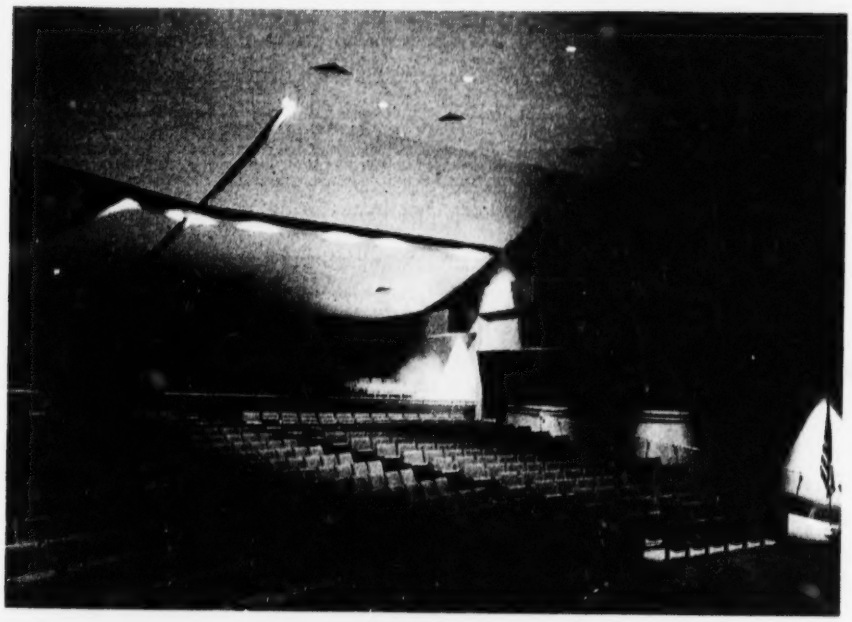
This high school was designed for a student body of 2,500. It's architectural program is divided up into three general sections: academic/vocational, athletics/performing arts, and student commons/administration. Within the athletic/performing arts section, a 1,350 seat auditorium is located adjacent to the entry and student commons area for easy access and the opportunity to use the student commons areas as pre-function space. A curved space with several windows isused to enter the auditorium and allow the procession of events inside to be "seen" by onlookers. Folded walls dictated by the acoustical volume continue expression on the buildings exterior to provide the auditorium a distinct recognition among the school's entire mass.

Construction Costs $34,609,600

Within a total cost of $34,609,600 and 360,000 sq ft of sapce, a total cost per foot of $96.13 was obtained.

Rowlett High School

Rowlett, Texas



Architect
WRA Architects, Inc.
7557 Rambler Road Ste. 400
Dallas, TX 75231
(214) 750-0077

Photographer
WRA Architects, Inc.
Dallas, TX

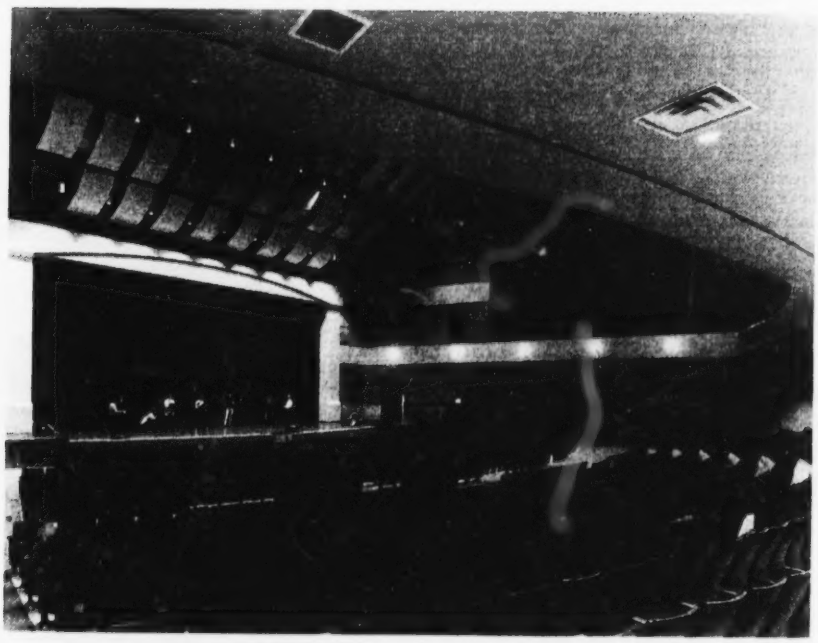
Architect's Statement

An intimate performance atmosphere is enhanced by excellent acoustics and sightlines for all 1,000 seats in this high school auditorium design. Featured hovering curves in the ceiling and wood side reflectors naturally reinforce and diffuse sound to all seats. Sightlines are further enhanced by the raised tiers for the farthest seating. The multipurpose stage is extra wide to accommodate a 250 piece orchestra along with plays, choir, dance performances and various community uses. Accessibility for all is provided with a level side aisle to the stage and indirect elevator access for the upper level sound control booth and spotlights.

Construction Costs $26,594,542
Publicly funded school bond.

Pike High School

Indianapolis, Indiana



Architect

Fanning/Howey Associates, Inc.
3750 Priority Way South
P.O. Box 80006
Indianapolis, IN 46240
(317) 848-0966

Photographer

Emery Photography
Columbus, OH

Architect's Statement

The existing auditorium was centrally located just inside the north entrance allowing for community access, but proved prohibitive to expansion which was an issue that needed to be addressed. In response, the new 1,500-seat auditorium was designed and constructed for the northwest corner of the building. The original auditorium space, with its lower floor area, was subsequently converted to the present student commons. Clerestory lighting in the new commons created a unique expansive effect for the space. The new performing arts center is combined with new music and drama department spaces.

Construction Costs $48,249,556

Financed through the Indiana school lease provision. A not-for-profit holding corporation issued and sold tax exempt bonds to finance the construction project and serves as the lessor of the building. The school system collects public property taxed in a debt service fund to pay the annual lease payments. At the end of the term, the buildings and improvements become the property of the school system.

Williamston High School

Williamston, Michigan

Architect

Fanning/Howey Associates, Inc.
1290 West Grand River Avenue
Williamston, MI 48895
(517) 655-1183

Photographer

J.D. Small
Lansing, MI

Architect's Statement

A full-working stage, orchestra pit, projection booth, and complete lighting, sound, and acoustical systems allow for music and theatrical performances to be offered in state-of-the-art surroundings.

The seating is broken up into two areas, lower level main floor sloped seating and a rear tiered seating element for 570. Exterior brick with articulating lines of split face concrete masonry units was utilized on the side walls of the auditorium to create a hard surface for defusing of sound but also to bring a warm comfortable characteristic to the auditorium space.

Construction Costs $15,841,456

This project received a donation by a community-minded citizen as well as funded by Michigan bond issue.

Lincoln Way East High School

Frankfort, Illinois

Architect

Dahlquist and Lutzow Architects, Ltd.
462 N. McLean Boulevard
Elgin, IL 60123
(847) 742-4063

Photographer

Kulseng-Hansen Kinographics Inc.
Westmont, IL

Architect's Statement

The auditorium/fine arts wing is sympathetic to the original school, while at the same time providing a state-of-the-art performing arts facility. The auditorium space, stage, orchestra pit, sound system, and lighting, are capable of handling touring productions. Exterior brick walls, bathed by indirect light from clerestories above, flow into the lobby creating gallery space for the display of student art. The adjacent multi-level reception area provides an entry into the fine arts wing. Energy conservation measures have been implemented in the design of the HVAC system. These improvements, including co-generation, have produced a payback of less than 5 years.

Construction Costs $26,837,000

(Including all phases of project including performing arts addition, classroom addition, fieldhouse addition, co-generation and miscellaneous remodeling.) Energy efficient design allowed the facility to expand 290 percent, adding only $1,000 per year in utility bills. This savings of almost $200,000 per year allows the co-generation system to pay for itself in less than five years.

South Western Senior High School

Hanover, Pennsylvania

Architect
Hayes Large Architects
321 N. Front Street
Harrisburg, PA 17108
(717) 238-4795

Photographer
Christopher Barone
Kingston, PA

Architect's Statement

Sharing a 100-acre rural site with the intermediate school, this 270,000 gsf facility is the centerpiece of the campus. Construction involved nearly three years without disrupting the curriculum. The cornerstone of the project is the new 2,000-seat, three-gymnasium fieldhouse with bowstring trussed roof; reconstruction of the auditorium with a new theater doubling the size of the stage and adding 200 seats. Both occupy anchor positions along front of the 600' main facade. Other public functions were pulled to the front and connected to the anchors via a 160' radius arcade. The continuous glass arcade provides passage along the public realm of the building.

Construction Costs $21,355,077

Remaining balance in the contingency fund was 2.05%.

Haslett High School Additions and Renovations

Haslett, Michigan

Architect
TMP Associates, Inc.
1191 West Square Lake Road
Bloomfield Hills, MI 48302
(810) 338-4561

Photographer
Gary Quesada
Korab/Herich-Blessing
Troy, MI

Architect's Statement

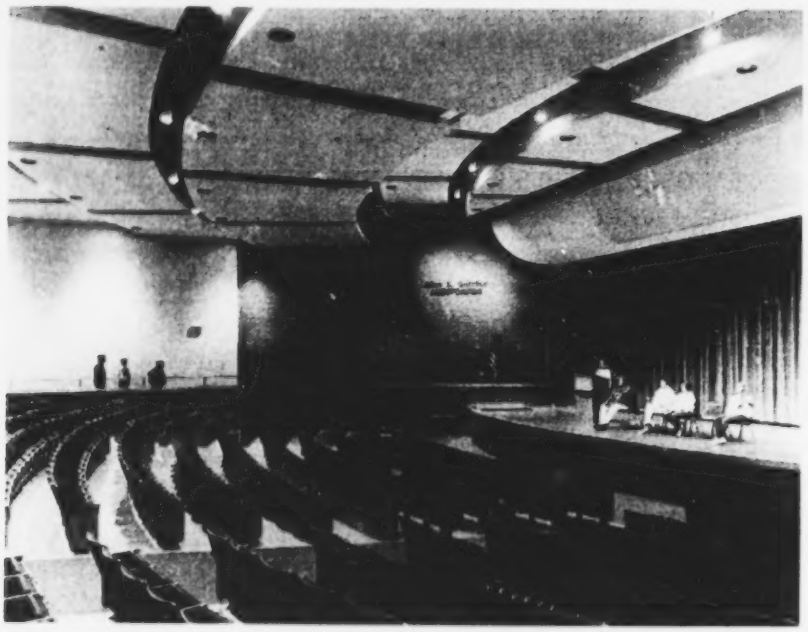
Additions and renovations to this high school included a dramatic new 850 seat performing arts center. Included in this space are dressing rooms, a scene shop/ storage room, loading dock and office. The lobby of the performing arts center features sloped skylights along its entire length to provide natural light into the surrounding areas. The existing cafeteria and auditorium, which are adjacent to the new performing arts center, were renovated to serve as a student commons/ cafeteria and kitchen and also as an overflow space for the new performing arts center. This commons area opens to the performing arts lobby and the existing north-south corridor, known as Main Street. A new entrance to this area of the school, at the north end of the building incorporates a covered walk leading to the north parking lot.

Construction Costs $5,551,029

This project successfully met the owner's budget parameters.

Gaylord High School

Gaylord, Michigan



Architect

Fanning/Howey Associates, Inc.
114 York Street
P.O. Box 584
Michigan City, IN 46360
(219) 872-0635

Photographer

Emery Photography
Columbus, OH

Architect's Statement

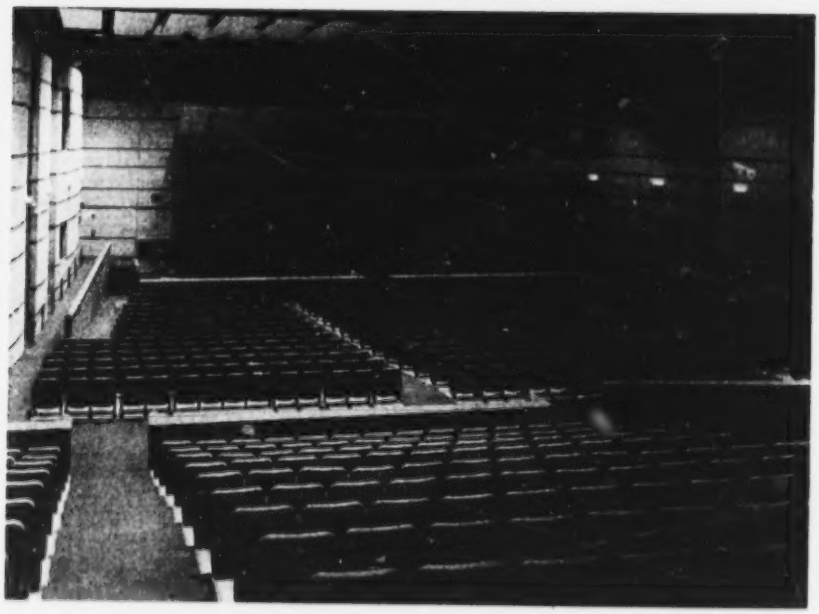
The Alan L. Gornick auditorium seats approximately 550 people and contains an orchestra pit, generous stage area, storage spaces, lighting catwalk, and sound control booth. The total of these spaces is approximately 10,000 sf. An area of the auditorium is devoted to a handicapped accessible wheelchair viewing space. An adjacent music suite with band, choral, practice, ensemble, and storage spaces. The theater complex is in the public zone of the building and the large commons spaces complement its capabilities during special events.

Construction Costs

100 percent funded by Michigan bond issue.

Dakota High School

Macomb, Michigan



Architect
Fanning/Howey Associates, Inc.
1290 West Grand River Avenue
Williamston, MI 48895
(517) 655-1183

Photographer
Emery Photography
Columbus, OH

Architect's Statement
The performing arts area is made up of 1,000 seat auditorium with a full fly stage and orchestra pit as well as a large music suite. The auditorium itself is comprised of spaces such as central sound lighting control booth, follow spot decks, large scene shop, storage, and dressing rooms that serve not only the auditorium but the music suite. The tiered stepped seating is accessed by a main cross isle or from the second floor level at the rear of the seating. The main acoustical features are a soft absorptive rear wall comprised of acoustical wall panels, suspended acoustical clouds, and arched brick side walls.

Construction Costs $44,327,000
100 percent funded by Michigan Bond Issue.

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Red Wing High School

Red Wing, Minnesota

Architect
Armstrong, Torseth,
Skold & Rydeen, Inc.
4901 Olson Memorial Highway
Minneapolis, MN 55422
(612) 545-3731

Photographer
Ralph Berlovitz
Minneapolis, MN

Architects' Statement
The community of Red Wing already had an auditorium, so the new high school was designed with a concert hall for music and musical performances. This community based facility is a part of the new 268,000 square foot school, with the educational technology tied to community resources. User groups, community arts groups, administration and others were very involved in the design of this concert hall as part of the new high school.

Construction Costs $22,600,000
This was a joint development between the City of Red Wing and the School District, and the educational technology tied to community resources.

North High School Auditorium & Performing Arts Complex

Edmond, Oklahoma

Architect

Thomas, Davis Architects + Partners, P.C.
19 North Broadway, Suite 200
Edmond, OK 73034
(405) 340-0540

Photographer

Jerry Hymer Studio
Oklahoma City, OK

Architect's Statement

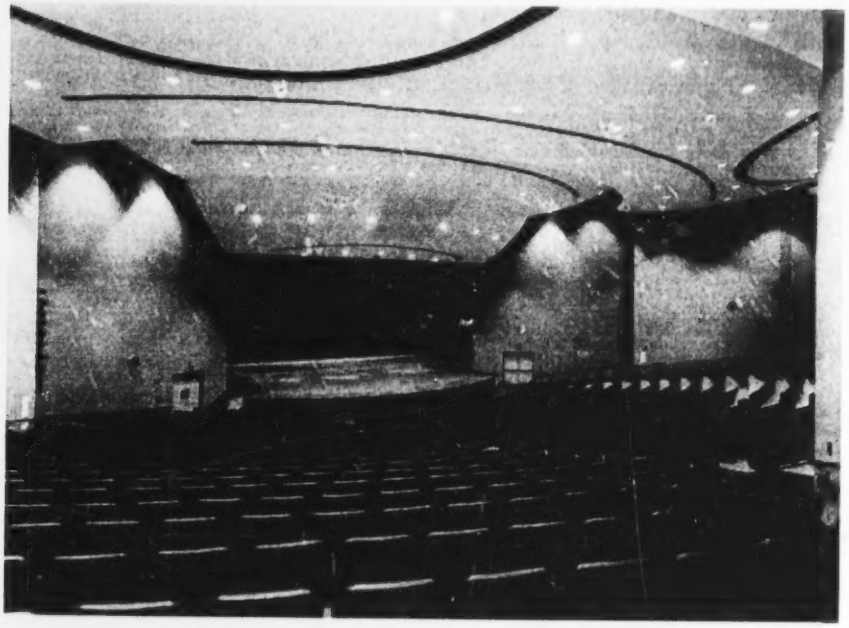
The 54,107 square foot auditorium and performing arts complex serves as the key element to the master plan of the existing 1,600-student high school campus. With a seating capacity of 1,250, the orchestra pit capacity of 80, and stage with a full fly loft, the auditorium is centered in the cluster of speech and drama, band, orchestra, and vocal music classrooms, allowing easy access to the back stage areas. This "real world" learning environment allows students to learn their art and develop the techniques of their craft in a facility that rivals many professional performance theaters.

Construction Costs $5,366,380

Funded by school capital improvement bonds. The school district required the project be designed in two phases to prevent a tax increase. The first phase included the entire shell and the classrooms. The second phase included the auditorium seating, stage equipment, and lighting and sound systems. The project was constructed at a cost of $92.00 per square foot (excluding fees).

Adlai E. Stevenson High School Performing Arts Center

Lincolnshire, Illinois



Architect

O'Donnell Wicklund Pigozzi and
Peterson Architects, Inc. (OWP&P)
570 Lake Cook Rd. Ste. 200
Deerfield, IL 60015
(847) 940-9600

Photographer

Howard Kaplan
Highland Park, IL

Architect's Statement

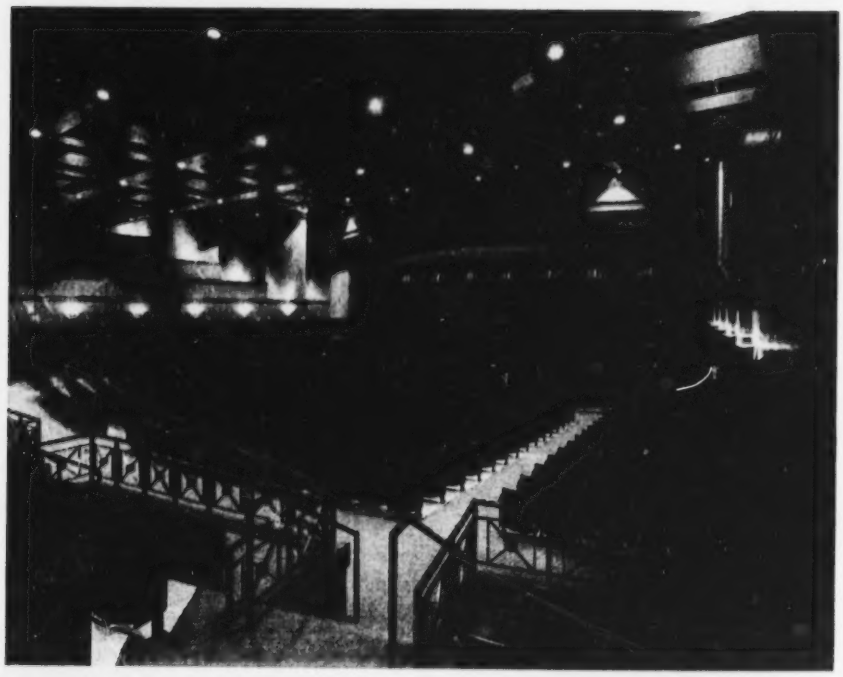
A 1,200 seat turntable-divisible auditorium was designed and completed in response to a growing student population expected to reach 4,000 by the year 2000. The large space of the auditorium can be divided with two rotating platforms into a 240-seat little theater, a 240-seat recital hall, leaving a 720-seat auditorium in the center. Each section is acoustically isolated and fitted with its own stage and equipment. This provides the flexibility of using three teaching stations, simultaneously, in a large space that would be underutilized.

Construction Costs $4,197,580

It became apparent that not only was the 1,200 seat auditorium necessary, but also needed were spaces for smaller performances, lectures and recitals. Building separate structures would be costly. The solution to build the auditorium with turntables, thus providing a 1,200 seat auditorium, a recital hall, lecture hall or smaller theater when divided, saved the school money. The design also allows the space to be used much more frequently, and by multiple groups simultaneously.

Champlin Park High School

Brooklyn Park, Minnesota



Architect

Armstrong Torseth,
Skold & Rydeen, Inc.
4901 Olson Memorial Highway
Minneapolis, MN 55422
(612) 545-3731

Photographer

Ralph Berlovitz
Minneapolis, MN

Architect's Statement

The multi-use auditorium at Champlin Park High School is part of the new 364,000 square foot educational facility, which serves approximately 2,400 students. Teaching, testing, lecturing, performances for stage and screen, and music are all activities this auditorium is used for, as well as greatly used by the community. State-of-the-art technology and an extensive catwalk system are also features of this multi-use auditorium.

Construction Costs $28,875,966

Constructed as part of the new 364,000 square foot high school.

Wilson Middle School

Muncie, Indiana

Architect

Fanning/Howey Associates, Inc.
3750 Priority Way South Dr.
P. O. Box 80006
Indianapolis, IN 46240
(317) 848-0966

Photographer

Emery Photography
Columbus, OH

Architect's Statement

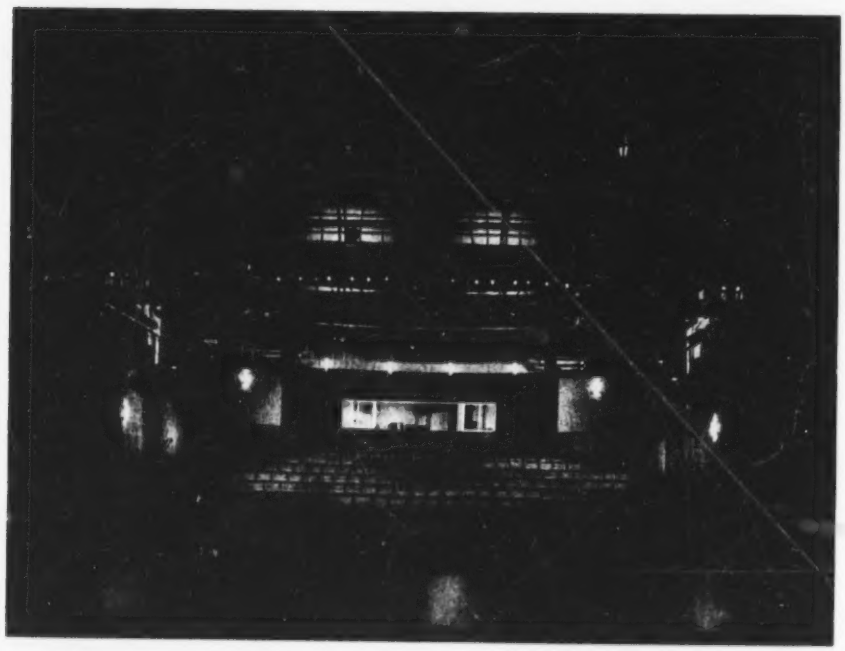
The auditorium has a seating capacity of approximately 650 people and is located at one end of the large cafeteria/commons area serving as a surge space for activities. The complex is comprised of the auditorium itself, follow spot decks, control booth centrally located on an upper level, and a large stage. Located adjacent to the music suite, the auditorium is flexible in that it can be divided into three spaces by large, electrically operated acoustical walls. The larger lower seating area accommodates approximately 350 people, and the upper two, tiered seating areas each accommodate 150 people.

Construction Costs $21,555,249

Financed through the Indiana school lease provision. A not-for-profit holding corporation issued and sold tax exempt bonds to finance the construction and serves as the lessor of the building. The school system collects public property taxed in a debt service fund to pay the lease payments. At the end of the term, the buildings and improvements become the property of the school system.

Concordia College, Buetow Center for the Arts

St. Paul, Minnesota



Architect
TMP Associates, Inc.
1191 West Square Lake Road
Bloomfield Hills, MI 48302
(810) 338-4561

Photographer
Gary Quesada
Korab/Herich-Blessing
Troy, MI

Architect's Statement

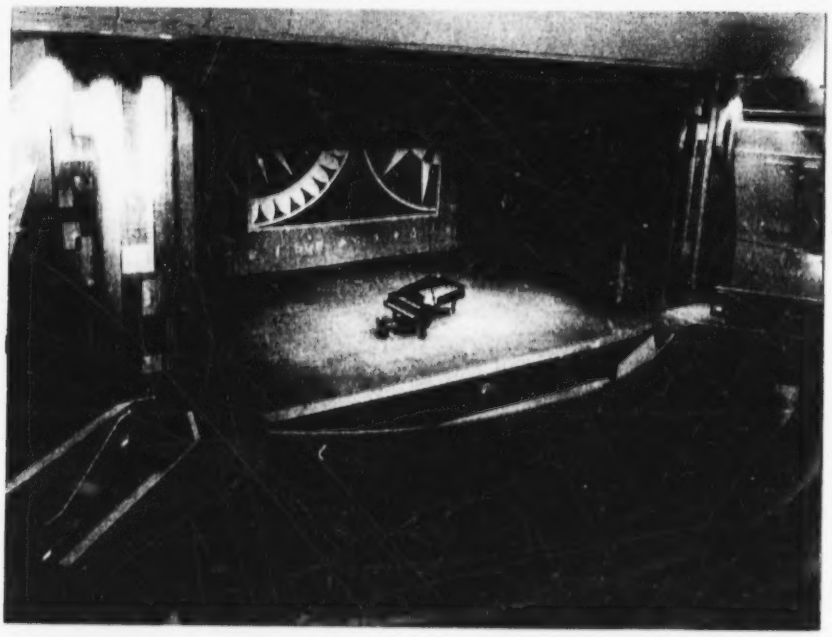
The challenge of this addition was to create a complete arts complex and a main entrance to the college campus. As a ceremonial gateway, this complex focuses attention on the arts as an integral part of the image and fabric of the campus. The facility features a 300 seat hybrid proscenium theatre including fly loft, hydraulic orchestra pit lift, vomotories, full side stages and balcony acting decks, and trap room. The theatre is supported by a full complement of technical areas, booths and catwalk system. Other support spaces include costume shop, scene shop, make-up and dressing rooms and green room. Teaching functions are accommodated in a design studio, faculty offices, a theatre classroom, and a "theatre lab" or "Black Box" type multiform theatre which seats 60-80 people. Complete facilities for the visual arts are also featured, as well as a working art gallery and arts administration spaces.

Construction Costs $4,568,909

This project successfully met all of the owner's budget parameters.

San Juan College, Henderson Fine Arts Facility

Farmington, New Mexico



Architect

DLR—Lescher and Mahoney
508 West Arrington
Farmington, NM 87401
(505) 327-6068

Photographer

Bill Sperry
Paradise Valley, AZ

Architect's Statement

The theater contains seating for 784, a balcony and adequate volume and appropriate surfaces to function for theater as well as musical presentations. A stage with full flyloft and other support areas were designed to attract traveling shows.

Additional educational arts spaces provided:

- The music department includes instrumental and vocal studios and all support type spaces including a recording studio.
- The art department includes ceramic, painting, drawing, photography/ graphics arts, and multi-purpose labs and support spaces including an outdoor patio.
- The four meeting rooms accommodate 750 people and are equipped with dividable walls and computer controlled lighting/sound systems.

Construction Costs $8,629,915.00

Funding was through local taxes from a bond issue. State funds supplemented this amount.

Southern Polytechnic State University Student Center

Marietta, Georgia

Architect

Sizemore Floyd Architects, Inc.
1700 Commerce Drive, N.W.
Atlanta, GA 30318
(404) 605-0690

Photographer

Gary Knight & Associates
Sizemore Floyd Architects
Atlanta, GA

Architect's Statement

The college is projecting to double its student enrollment through the 1990's. The student center has tripled the size of the existing facility and includes a 500-seat theater, a lecture hall for 200, nine conference rooms, media rooms, a bookstore, a full service and fast food kitchen and cafeterias, student dining for 800, radio station, post office and student services/affairs administration offices. The addition also created the main quad for the campus, helping bring a sense of entrance and procession from the main parking and visitor areas. A student conversational plaza was designed as the foreground and a broad, raised "front porch" was designed for people watching.

The other responsibility of the project is to be the *gateway* and linkage to the campus for the community. As the principal place of interface, the building was designed to foster interaction of civic audiences with students and faculty using the spaces throughout the day and evening.

Construction Costs $6.5 million
State bond financing.

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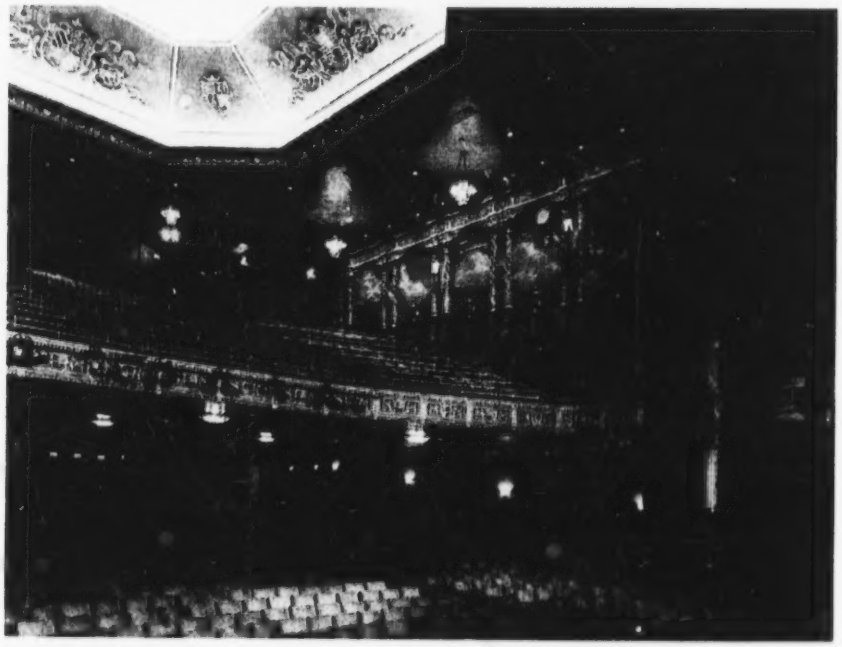
Community Arts Center

Williamsport, Pennsylvania



Architect
Hayes Large Architects
Logan Blvd. & Fifth Avenue
Altoona, PA 16603
(814) 946-0451

Photographer
Christopher Barone
Kingston, PA

Architect's Statement

A once opulent movie palace was fading into history before community efforts, backed by the local college, secured it as the cornerstone of the city's cultural enterprise. The stage was expanded to accommodate symphonies, dance companies and live theater; the auditorium and lobby underwent a complete restoration and was advanced technologically with new mechanical lighting and sound systems; the remaining portion of the hotel was demolished and a four-story structure was built. The street-front elevation expresses its place in the city detailed to whet one's appetite for the restored grandeur of the interior.

Construction Costs $ 11.1 Million

Funds raised by the community resulted in covering the overall cost of the project for restoration of this 1928 theater into a cultural gem in the community.

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Merced Multi-Cultural Arts Center

Merced, California

Architect

Beverly Prior Architects, Inc.
333 Bryant Street, Suite 220
San Francisco, CA, 94107
(415) 777-9422

Photographer

Tom Rider
Petaluma, CA

Architect's Statement

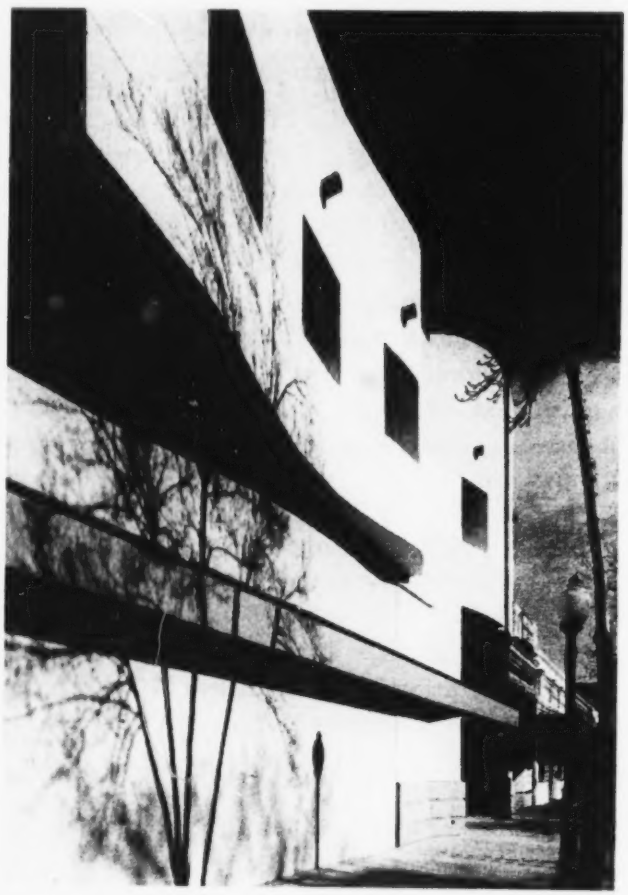
This multi-cultural arts center represents the realization of the dreams of the various art communities for a performing and visual arts center which encourages public participation in the arts. An existing 1920's commercial building was renovated into a 26,800 square foot, three-story facility with a "black box" theater, galleries, workshops, and dance/music studios.

A key focus of the 20-member Arts Task Force was to develop a design that would distinguish the structure in the heart of the city's historical commercial district, while meeting the functional needs of all the artists, and inviting the public's use of the center.

Construction Costs

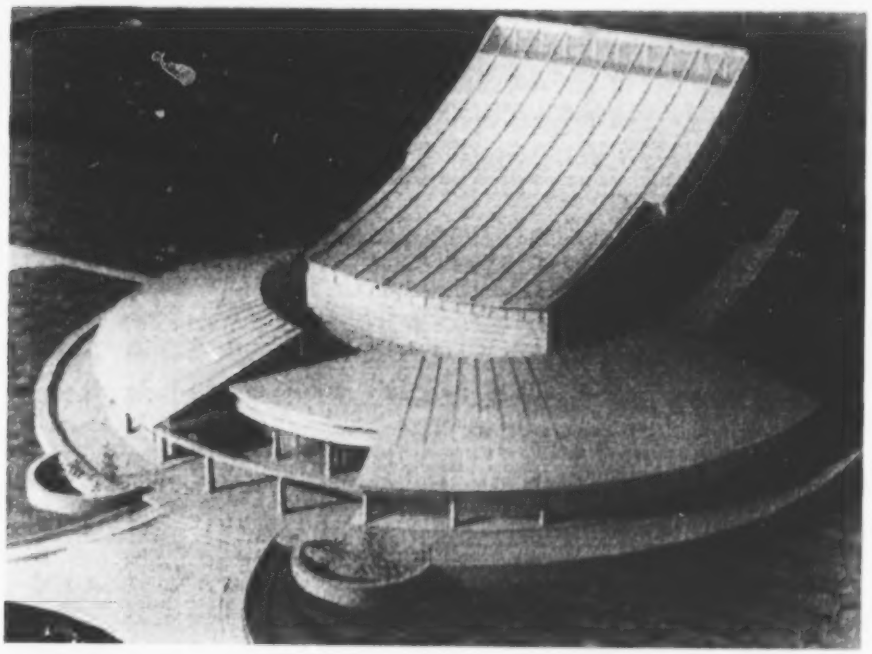
$2.89 million

A real challenge was to meet the project goals of the City's Redevelopment Agency and the Arts Task Force within the tight budget constraints. The final construction cost of $2.1 million, not including purchase of the property, design fees, equipment and furnishings, equates to $78.36 per square foot of building area. In light of the building's age and necessary seismic upgrades, this adaptive re-use project was successful in maximizing the funds from a private foundation.



West Valley City Performing Arts/Community Center

West Valley City, Utah



Architect

Sizemore Floyd Architects, Inc.
1700 Commerce Drive, N.W.
Atlanta, GA 30318
(404) 605-0690

Photographer

Sizemore Floyd Architects
Atlanta, GA

Architect's Statements

The city wanted a landmark to help "identify" the city's location in the urban grid, as it had only been formed 15 years ago from existing suburban "bedroom communities." The vision was to create a regional quality, multi-purpose theater to provide community drama, musicals and local family-oriented pageants/plays, as well as provide daily meeting space for civic and business groups. The 500-seat house also provides a full fly-loft with 40 lines of rigging, rehearsal and dressing space, plus a large lobby for special receptions.

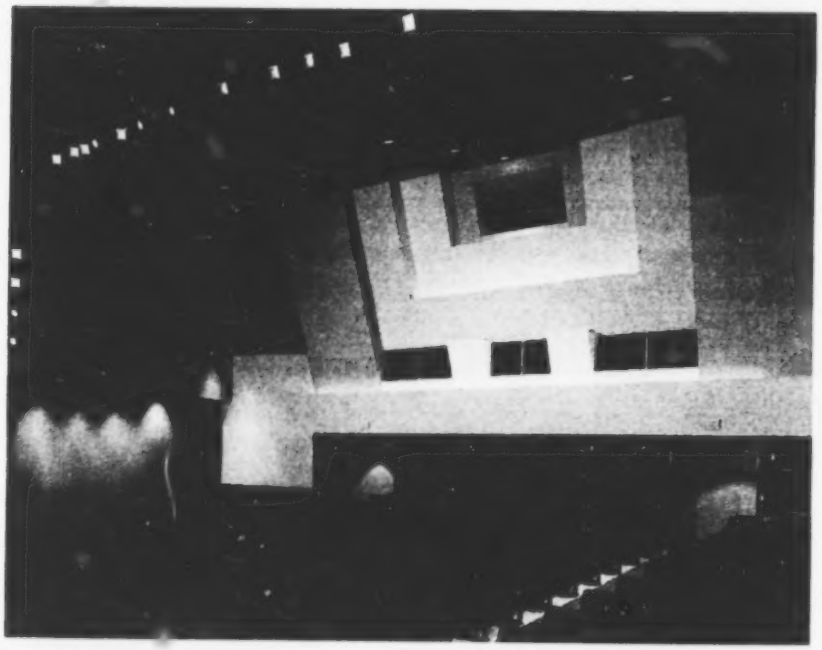
The soaring shape of the roof for the fly-loft is internally lit for a 24-hour signature for the City and the building is formally sited in a city park against a main highway for an "icon" landmark.

Construction Costs $7 million

Financed by $4/year tax increase per homeowner, plus prorate share for business/commercial taxpayers. Approved with over 60% of voters in referendum.

Performing Arts Center

Baldwin Park, California



Architect

Fields & Devereaux Architects AIA
116 North Robertson Blvd., Suite 802
Los Angeles, CA 90048
(310) 652-3344

Photographer

Tom Bonner
Venice, CA

Architect's Statement

This multi-purpose theatre/auditorium was designed as the cornerstone and major focal point for the Baldwin Park's Continuing Education Campus. The new facility serves as a lecture hall for use by the Adult School, a concert hall primarily for choral groups, a theater for small scale musical productions and as a public meeting hall. The permanent seating accommodates 400. The large concession area serves the dual purpose as a catering facility so that dinners can be held in the grand hall. The professional sound, lighting and video systems are integrated into the facility for performance uses as well as for use as instructional tools.

Construction Costs $4,000,000 (estimated)

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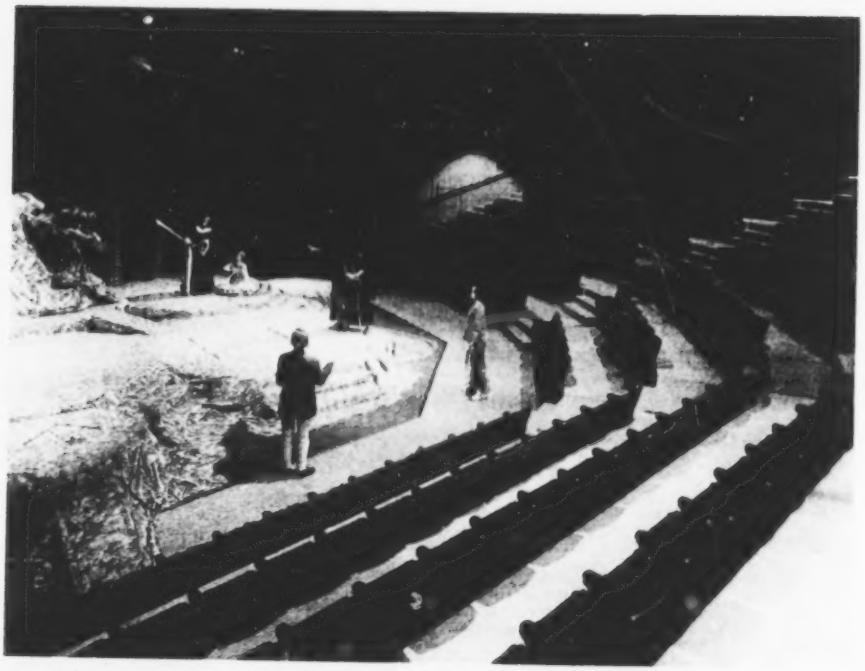
Rupp Communication Arts Center

Upland, Indiana



Architect

Fanning/Howey Associates, Inc.
540 East Market Street
P.O. Box 71
Celina, OH 45822
(419) 586-7771

Photographer

Emery Photography
Columbus, OH

Architect's Statement

Radiating from a central focal point, the unique layout comprises 47,850 square feet over four levels. Its soaring multi-level lobby serves the theater and adjoining spaces, and is a major campus pedestrian passageway. Vastly conflicting acoustical, functional, and aesthetic requirements were imposed by the program and adjoining existing music building. A 309 seat theater with thrust stage, scenery shop, green room, dressing rooms, storage, and classrooms comprise the theater complex. Broadcasting areas include television and radio studios, control rooms, offices, editing rooms, video post-production, and shop.

Construction Costs $5,877,000

An extremely economical facility at less than $89/SF construction costs responding to constraints imposed by the limited donated funds.

Center for the Arts Galleries and Forum

San Francisco, California

Architect

RMW Architecture + Design
160 Pine Street
San Francisco, CA 94111
(415) 781-9800

Photographer

Paul Peck
Richard Barnes
San Francisco, CA

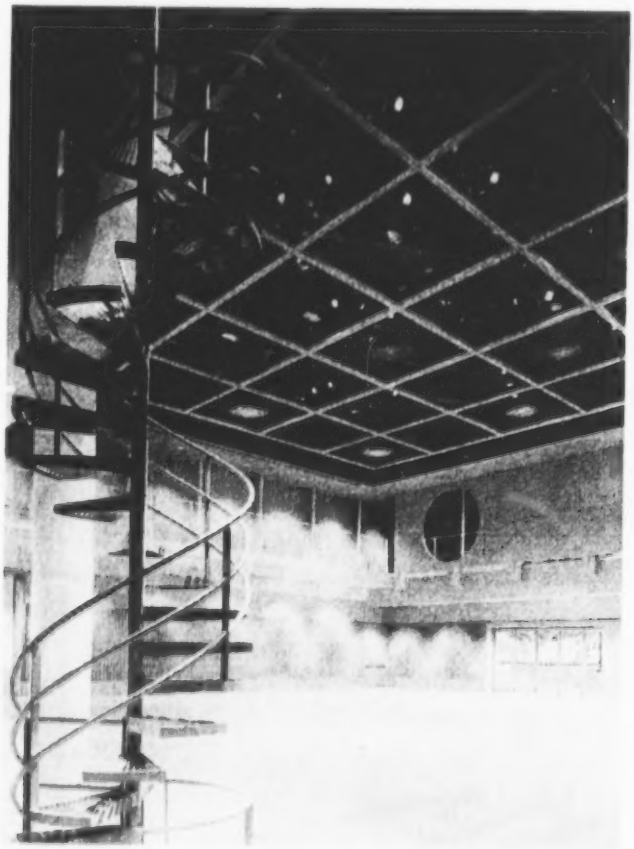
Architect's Statement

The 58,000 sq. ft. center for the arts is the locus for a wide variety of artists and audiences participating in an ebullient art scene which celebrates the cultural and ethnic diversity of the Bay Area.

The forum is a rentable space which is designed to be infinitely flexible. A tensile grid made of walkable net crowns the space, encouraging creative lighting solutions for its varied uses such as performing arts to lectures, exhibits and banquets. An 84-seat sate-or-the-art screening room completes the tableaux of spaces in a building dedicated to enhancing the visual and performing arts experience for artists and audiences alike.

Construction Costs

$1,300,000
The center for the arts was funded by a developer of Yerba Buena Gardens and bid 1 million dollars under budget.



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Center for the Performing Arts

Gainesville, Florida

Architect

Flad & Associates of Florida, Inc.
3300 S.W. Archer Road
Gainesville, FL 32608
(352) 377-6884

Photographer

Kathleen McKenzie Photography
Jacksonville, FL

Architect's Statement

The program: An 1,800 seat facility that accommodates full theatrical productions, concert productions and other traveling entertainment venues. The facility was designed to unload traveling shows directly on to stage right—since some shows are only in town for one evening performance, the objective was to unload, assemble, disassemble and reload the shows in the most efficient manner. The design is very successful—accommodating a variety of shows. Facility acoustics were a critical design issue—the HVAC generates no house noise, and the main hall has been praised by performers as one of the best acoustical environments in which they have performed.

Construction Costs $7,000,000

The limited budget placed demands on the project design—the main house and it's acoustics were the first priority. The stage and technical environs second; and the lobby and interior aesthetics third, with overall aesthetics last. The building met its objectives.

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